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*The*



# CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Founded 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

3537  
CXLVIII

DECEMBER 6, 1947

Annual Subscription (with  
Diary) 30/- Single Copies 1/-

**WRIGHT, LAYMAN & UMNEY LTD.**



**DAKIN BROTHERS LTD., LONDON**



**FOR WORLD-WIDE SERVICE**

AN ASSOCIATION

FOR THE MANUFACTURE OF PHARMACEUTICAL PREPARATIONS OF THE FINEST QUALITY  
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All enquiries to be addressed to the registered offices at 46, Southwark St.  
London, S.E.1, England

# EMERGENCY BUDGET PRICE CHANGES

The rate of Purchase Tax shown in the P., D. & Co., Price List for all Medicinal items is DOUBLED (i.e. it is now  $2/9$ ths of List Price).

In the case of other taxes preparations the new prices will be:—

<i>Page</i>	<i>Minimum Retail Price (Inc. Purchase Tax) Each</i>
34 . . Bronchial Lozenges (Mentholated) per box	1/6
58 . . Dermalac (large) . . . . . per bottle	4/7
76 . . Euthymol Tooth Paste . . . . . per tube	1/8
125 . . Orygene Tablets . . . . . per bottle of 100	3/4
151 . . Shaving Cream, Parke-Davis . . per tube	2/5
152 . . Shaving Stick, Dermaseptic . . per stick	2/-
152 . . " " " " Refill per refill	1/8

---

N.B. All preparations marked 'E' in the list remain exempted.

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*Laboratories : Hounslow, Middlesex*

*Inc. U.S.A., Liability Ltd.*



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**22/- Pack**

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22/- five bottles (Including one free)

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**the NEW ERA TREATMENT CO., LTD.**  
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Increased rates of Purchase Tax applied to all our products, excepting LUCOZADE, from 13th November, 1947. All orders dispatched and invoiced on and after 13th November, 1947, are now subject to the increased rates of Purchase Tax and should be sold at the revised prices indicated below :-

PRODUCT	RETAIL PRICE INCLUDING PURCHASE TAX	MINIMUM PACK Dozens	STANDARD WHOLESALE TERMS Per Dozen	PURCHASE TAX Per Dozen
<b>TOILETS</b>				
Macleans Peroxide Tooth Paste ..	1/6	6	9/8	4/10
Macleans Solid Dentifrice ..	10d.	3	5/6	2/9
Macleans Shaving Cream .. ..	1/9	2	11/6	5/9
Macleans Hydrogen Peroxide :				
20 vols. 8 oz. .. ..	1/6½	1	9/-	3/-
20 or 10 vols. 4 oz. .. ..	10d.	3	5/5	1/9½
Oslo Pine Bath Salts .. ..	1/3½	3	6/-	7/6
Macleans Toothbrush .. ..	1/8	3	10/8	5/4
Lemskin Lemon Hand Jelly ..	1/6	2	6/10	8/6½
<b>MEDICINALS</b>				
Maclean Brand Stomach Powder :				
Family Size .. ..	6/8	½	48/-	16/-
Large Size .. ..	2/10	3	20/6	6/10
Maclean Brand Stomach Tablets :				
Large Size .. ..	2/10	1	20/6	6/10
Small Size .. ..	1/8	2	12/3	4/1
Wallets .. ..	10d.	3	6/-	2/-
Fynnon Salt .. ..	2/-	3	15/-	5/-
Mac Sweets .. ..	1/4	3	9/6	3/2

**SPECIAL NOTE.**—LUCOZADE TONIC FOOD BEVERAGE is exempt from Purchase Tax and the retail price remains unchanged at 2s. 3d. per bottle plus a bottle deposit charge of 3d.

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**—BUT THEY'RE STILL GOOD CUSTOMERS**

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The number of dog-licences in Great Britain is now over two and three quarter millions: a quarter of a million more dogs this year than last — and a million more than in 1919.

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**PATA**

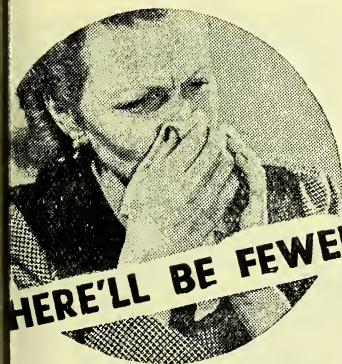


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# HERE'LL BE FEWER COLDS THIS WINTER . . .

Retail Price 2/10  
including Purchase Tax.  
Trade Price  
20/- per dozen  
plus 6/8 Purchase Tax

... if more of your customers use 'Benzedrine' Inhaler. Its timely application will often cut short a cold entirely, but even in the acute stages it affords welcome relief by keeping the nasal passages free from congestion. For fifteen years doctors have prescribed 'Benzedrine' Inhaler for relieving congestion in head colds, nasal catarrh, sinusitis, etc. Its popularity is an indication of its efficiency.

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**MENLEY & JAMES LIMITED**  
123 Coldharbour Lane, London, S.E.5

For Smith, Kline & French Laboratories



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Calsimil is medically prescribed to supplement the calcium intake in pregnancy and lactation. It has a particular value also in cases of chilblains and for growing children, during formation of bone and teeth.

Its pleasant flavour makes this product easy to take, a great advantage where daily dosage is high.

# CALSIMIL

(Trade Mark)

(Calcium Sodium Lactate with Vitamin D)

Bottles of 60 Tablets

Retail 3/4 incl. tax. Trade 1/10 (Tax extra)

7½% discount on 3 doz. orders.



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**BOOTS SHOES  
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BABY CARRIAGES  
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### PENICILLIN CREAM

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Per Set (to make 6 pots) ... 6/- Penicillin (100,000 units) ... 1/-

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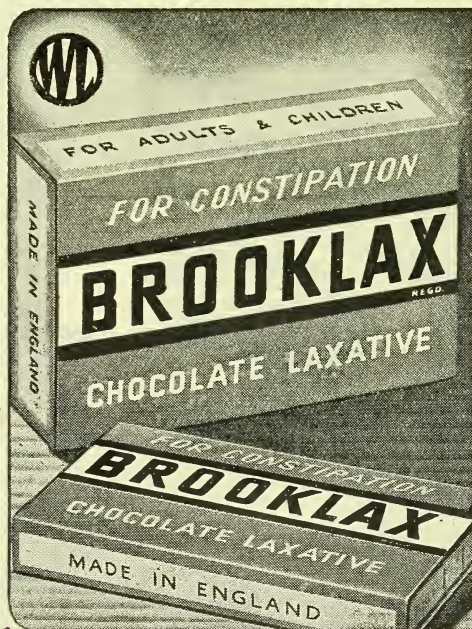
### PENICILLIN SNUFF "AYRTON" contains 10,000 units, Calcium Salt per gramme in a mentholised base. Packed in press-cap snuff tins containing 70 grains ... per doz. 20/-

### PENICILLIN WITH STERILIZED POWDER SULPHATHIAZOLE.

5,000 units Calcium Salt per gramme.

Each —  $\frac{1}{4}$  oz. ... 2/3  $\frac{1}{2}$  oz. ... 4/- 1 oz. ... 7/-

**AYRTON SAUNDERS & CO. LTD. LIVERPOOL**



### IMPORTANT!

## 18 Tablet size...now available!

In packs of 6 and 18 tablets

New Retail Prices 7½d. & 1/6

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THE popularity of acetylsalicylic acid is undoubtedly due to the fact that it is one of the most effective non-narcotic analgesics available. Often, however, its use has been discarded by the physician on account of the possibility of its irritating the gastro-intestinal tract.

'Alasil' provides the beneficial therapeutic effects of acetylsalicylic acid in such a form that it is acceptable even by disordered digestions. This tolerability is due to the fact that it combines acetylsalicylic acid with Dibasic Calcium Phosphate and 'Alocol,' an effective gastric sedative and antacid.

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are again freely available in a wide range of titles including Chilblain, Lanoline, Wintergreen, Zinc and other B.P. and B.P.C. formulæ. Several exclusive prescriptions are also included in the series.

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TR.132

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LIMITED  
*Manufacturing Chemists*  
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## ARE YOU\* THE CHEMIST WHO LOST THIS SALE?

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have received this letter:

Dear Sirs,

I shall be obliged if you will inform me whether your usual offer of large packs of Curicones at 24/- is withdrawn, as on enquiring for one of these yesterday from ..... \* I was told the offer was no longer in operation and I could only have the usual single bottle at 5/-.

As I have been a regular user of Curicones for a number of years with beneficial results and have hitherto been able to secure one of the larger packs periodically, about twice a year when my attacks have been recurring, I was surprised at this reply, when I see the actual advertisement of the large pack is still on the single bottle I received yesterday.

I am, yours respectfully,

(The original of the above letter may be inspected at our office.)  
You make NEARLY 5 TIMES THE PROFIT for one-sixth of the trouble by supplying the 'CURICONES' 24/- Pack. YOU ARE LOSING SALES IF YOU ARE NOT STOCKING THE 24/- SIZE 'CURICONES.'

The 24/- pack, the FULL Course, contains 5 times the quantity of the 5/- size, and shows you nearly 5 times the profit for one-sixth of the trouble. Your ability to supply the 24/- size ensures that the customer purchases the full course of treatment from you at one time; your turnover is quicker; you cement good-will because obstinate cases of Rheumatic Complaints yield to the full course of 'Curicones.'

Order a ½ doz. from your wholesaler today



PATA

LARGE SIZE  
**24/-**

# CURICONES

Remember 'Curicones' is a Line showing P.A.T.A. profit. Nationally 33½% profit. Nationally advertised and recommended by the medical profession

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FOR THE RELIEF OF  
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# 'ROCHE' NEWS IN BRIEF

## Supplies of Citro-'Thiocol' Cough Syrup

adequate supplies of Citro-'Thiocol' Cough Syrup are now forthcoming for the anticipated seasonal demands. Pharmacists are invited to apply for a new show which will be sent on request.

## Potatoes and Vitamin C Intake

According to the recent reduction in the yield of potatoes to 3 lb. per week, "The Spectator" (Nov. 15th, p. 730) commented on the effect of this order on the daily intake of vitamin C of which potatoes are an important source. People with small incomes will not be able to afford other vegetables containing a sufficiency of vitamin C since prices will tend to increase. The question which arises, says the article, is whether the time has now come for the general issue of ascorbic acid tablets." Pharmacists are advised to look to their stocks of 'Redoxon' Vitamin C tablets of which plentiful supplies are being built up in anticipation of an increased demand.

## Heartburn in Pregnancy

One of the known sequelæ of pregnancy, heartburn in multiparæ rather than primiparæ, has a lower incidence of heartburn during the first two or three months of the term. This distressing condition is usually controlled by a suitable diet, adequate exercise, and the relaxation of the bowels. In more severe conditions, however, it has been found that the administration of one tablet of 'Prostigmin' 15 mg. taken when there is no food discomfort affords relief in about 50 per cent. of cases (J. med. Ass. Eire, 1947, 21, 25).

## Wound Healing

The effect of prolonged vitamin C deficiency on wound healing was studied in a series of nine otherwise normal, healthy young men, five others being used as con-

trols. Vitamin C deficient subjects exhibited an approximate 50 per cent. diminution in tensile strength of healing wounds and there was also a recognisable lack of collagen and reticulum. The time required for healing was considerably increased. Where other adverse factors were present the deficiency of ascorbic acid was made more evident by gross failure of primary wound healing, and the increased incidence of wound infection suggested that the vitamin is necessary for maximum resistance to infection. (Surg. Obstet. Gynec. 1947, 84, 1).

## Vitamin K for Chilblains

'Synkavit' Vitamin K is a *water-soluble* analogue of fat-soluble vitamin K which was made available as a result of the researches of Roche chemists. 'Synkavit' is used in an ever-widening field of therapeutics. A recent report claims vitamin K to be effective for chilblains. 'Synkavit' is available in tablet form for oral administration and in ampoules. Injections can be made hyperdermically, intramuscularly or intravenously and are always well tolerated.

## Rheumatoid Arthritis

In 'Roche' News in Brief, October 25, p. 9, dealing with 'Prostigmin' in the treatment of muscular spasm of rheumatoid arthritis, a misprint appeared in the penultimate sentence in which, of course, the phrase should be "increase of the extent of mobility."

## 'SYNKAVIT'

VITAMIN K ANALOGUE

Water - soluble for painless injection.

In ampoules and tablets each containing 10 mg.

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Chemists' Wholesalers  
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*4 Centuries*

## "SUTTEXA" RANGE

- ★ HYDROGEN PEROXIDE 10 AND 20 VOLS.
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- ★ FEEDING BOTTLES
- ★ LYSOL

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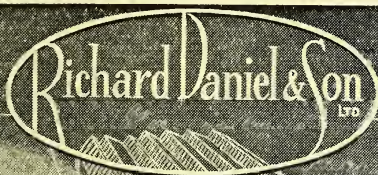
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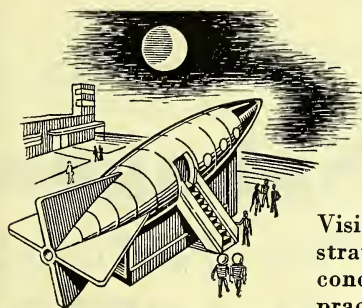


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FOR  
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## WATFORD CHEMICAL CO. LTD.

Telephone: WELbeck 0264/8 30 BAKER STREET, LONDON, W.1 Telegrams: Watchempro', Wesdo, London

### ASMDAR SPECIALITIES

## PIPERAZINE



This highly efficient antiseptic of the Urinary Tract is prescribed for Gout, Rheumatism, Inflamed Joints, Urinary Calculi.

Other Asmidar Specialities include Glutonine (Asmidar), Sulphazol Cream (Asmidar) and Ichthammol B.P.

Literature and full information gladly supplied on request

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Telephone: VICTORIA 5556

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# Sphagnol The "NATURAL" SHAMPOO

WITH A 40 YEARS' REPUTATION

AVAILABLE FROM ALL WHOLESALERS  
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Sole Manufacturers

**PEAT PRODUCTS (SPHAGNOL) LTD**  
3, CARMALT GARDENS, LONDON, S.W.15



# RECOMMEND

## «WB»

# ACETOMENAPHTHONE

(synthetic vitamin K)

for

# CHILBLAINS

The administration of Vitamin K would definitely seem to have exerted a favourable influence on chilblains. The dosage varies from individual to individual but on an average a dose of 20 mgm. twice daily was found most generally useful.

(Reference *British Medical Journal*, 1947, ii, 690.) Copies of an abstract of this article are available on request.

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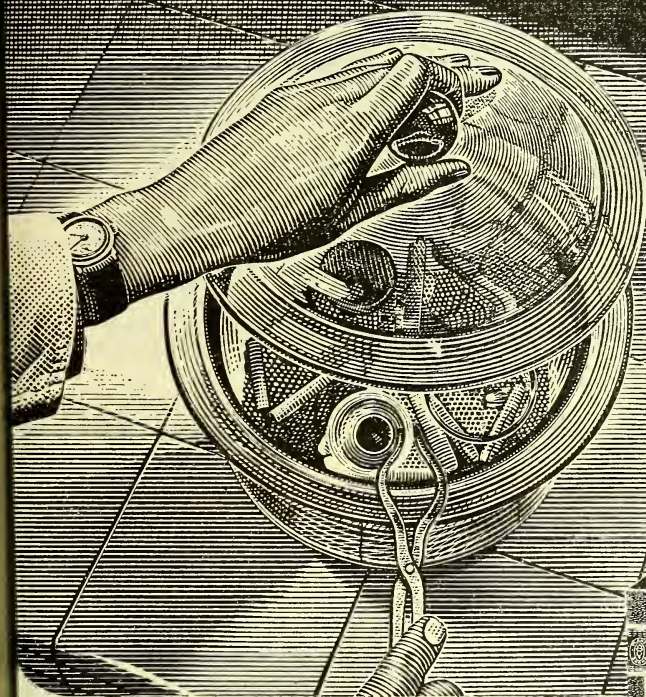
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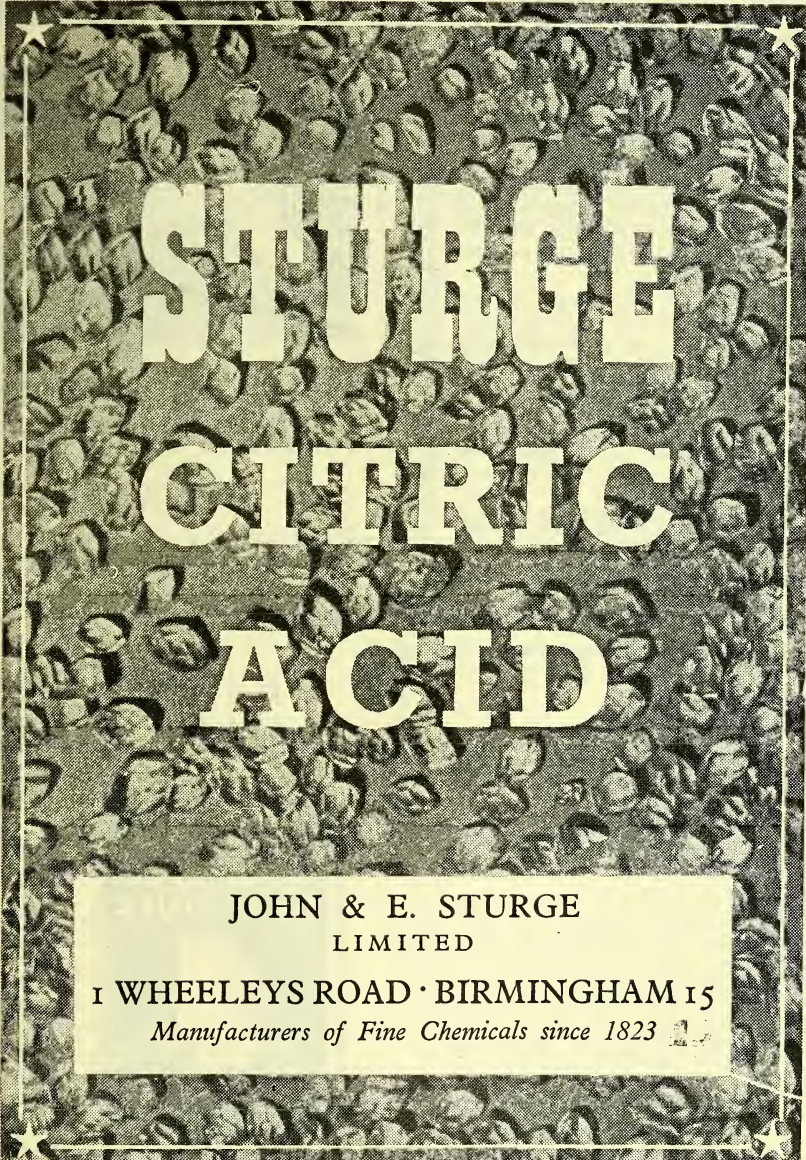
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# Autumn Budget Price Changes

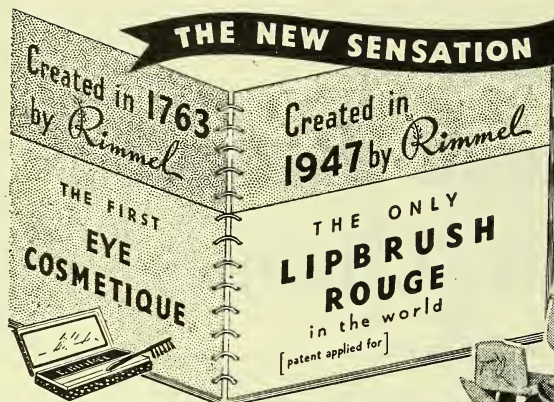
The raising of the  $16\frac{2}{3}\%$  Purchase Tax to  $33\frac{1}{3}\%$  has necessitated adjustments in the prices of Johnson & Johnson Baby Products. Here, for your convenience, is a table showing the new prices to yourselves and the Public.

	<i>Retail Price to Chemist</i>	<i>Purchase Tax</i>	<i>Consumer Price per tin, tube or jar</i>
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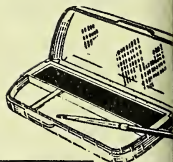
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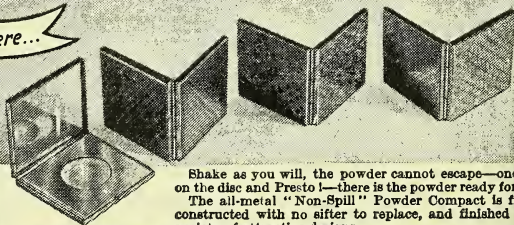
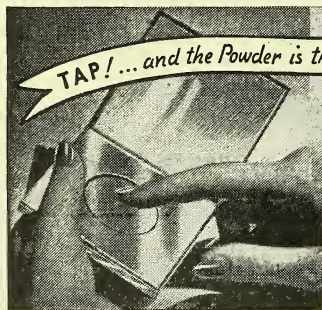
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## NEWS OF THE WEEK

**Russian Trade Talks.**—Mr. Wilson, President of the Board of Trade, left Britain with a team of advisers on December 3 for Moscow to resume trade negotiations with Russia.

**Gelatin in Cake Icing.**—The Minister of Food has made an Order (S.R. & O., 1947, No. 2500) permitting edible gelatin to be used in the manufacture of icing for cakes between November 23 and December 24.

**Advertising Tax.**—A Press Association message states that the Government is expected to abandon the advertising tax, and that Sir Stafford Cripps will make a statement on this when the clause embodying the tax is reached in the debate on the Finance Bill.

**Standards for Photographic Measures.**—The British Standards Institution has issued recommended standards (British Standard 1405, 1947) for volumetric measures, balances and thermometers used in photographic work. The specifications are prepared at the request of the Wholesale Photographic Finishers' Association. Copies may be obtained (price 1s.) from

the sales department of the Institution, 28 Victoria Street, London, S.W.1.

**Purchase Tax on Films.**—The Board of Trade, in consultation with the Central Price Regulation Committee, has made an Order (S.R. & O., 1947, No. 2562) amending where necessary the tax-inclusive cash maximum prices for photographic films laid down in the Photographic Films (Maximum Prices) Order, 1946, as amended.

**Doctors Continue Negotiations.**—The Minister of Health (Mr. Aneurin Bevan) and the Secretary of State for Scotland (Mr. Arthur Woodburn) met the negotiating committee of the medical profession on December 2 to discuss a memorandum drawn up by the doctors on their conditions under the National Health Service. A further meeting will take place on December 3, after which a plebiscite among the doctors will probably be held.

**Science and the State.**—Sir Robert Robinson, in his presidential address to the annual meeting of the Royal Society in London on December 1, said that the setting up by the Cabinet of the Defence Re-



search Policy Committee and the Advisory Council on Scientific Policy represented the success in peace-time of a demand during the war for scientific consultation at the highest levels. He did not share fears that freedom of research might be infringed by some form of planning or control.

**Companies Act in Operation.**—A Board of Trade Order (S.R. & O., 1947, No. 2503) brings into operation from December 1 a number of provisions of the Companies Act, 1947. Companies are relieved of the obligation to disclose former nationalities of directors and are no longer required to give distinctive numbers to fully paid shares. Additional powers are given to alter a memorandum of association and new powers provide for the investigation of company affairs and of the beneficial ownership of shares.

## LOCAL NEWS

**Durham Dance.**—The annual dance of the Durham County Branch, Pharmaceutical Society, was held on November 19. There was a fair attendance.

**Bath Annual Meeting.**—At the annual meeting of the Bath Branch of the Pharmaceutical Society held on November 19, Mr. A. H. Hale was elected *President* and was invested with the insignia of office by the retiring president (Mr. C. H. James).

**Scottish Rose Hip Collection.**—Rose hip collectors in Scotland during the 1947 season have gathered the record amount of 144 tons, against 113 tons in 1946 and seventy tons in 1945. During the past six years over 500 tons of rose hips have been gathered in Scotland and manufactured into rose-hip syrup.

**Hull Streptomycin Lecture.**—Addressing the Hull Chemists' Association, on November 15, Dr. Thomson (Boots, Ltd.) traced the history of streptomycin and described its manufacture. Mr. B. Foster was in the chair and a vote of thanks was proposed by Dr. Drummond and seconded by Mr. L. S. Sellé.

**Women's View on Lost Drugs.**—At the annual meeting of the Warwickshire Federation of Women's Institutes, recently, a motion was passed urging the Government to pass regulations to ensure that when dangerous drugs were dispensed they should be enclosed in a distinctive coloured wrapper bearing a notice that if found the package should be handed to the police or to a chemist.

**Walthamstow Film Show.**—At a meeting of the Walthamstow Pharmaceutical Association held on November 12, the film "Take Thou" was shown. Mr. R. A. Taggart, B.Sc. (Evans Biological Institute) then gave a short lecture on "Biological Assay," and later answered many questions. A vote of thanks to the speaker was proposed by Mr. Hill.

**Birmingham Golf Prizes.**—The Golfing Section of the Birmingham Pharmaceutical Association held a meeting on November 28 at which trophies and prizes were presented by Mrs. A. P. Hague, who was supported by representatives of several drug trade houses. The winners were as follows: Coty cup, Mr. R. J. B. Shelley; Potter and Moore cup, Mr. A. P. Hague; Burgoyne cup, Mr. R. O. Busby; Andrew's salver, Mr. R. O. Busby; Ucal cup, Mr. J. L. Sloan; J. W. Hughes prize, Mr. W. O. Payne; Southall cup, Mr. W. Rowley; Cuxson Gerrard bowl, Mr. E. Margerrison; Association prize (for best five cards aggregate), Mr. A. P. Hague. With each trophy a souvenir tankard was presented and a similar tankard was presented to the winners in the previous two seasons. A full fixture list has been arranged for next season and intending members should get in touch with Mr. Fred. J. Green, 15 Clive Street, West Bromwich.

**Tees-side Resolutions.**—A well attended meeting of the Tees-side Branch of the Pharmaceutical Society was held in Middlesbrough on November 19, Mr. A. W. Harrison, Ph.C., presiding. The Evans Medical Supplies, Ltd., film, "Take Thou," was shown, and the programme included a film showing the royal tour in South Africa. Afterwards a talk on ointment bases and emulsifying agents was given by Mr. L. V. Allen (Messrs. Evans). The following resolutions were adopted for presentation to the Pharmaceutical Society's Council: (1) That the Tees-side Branch is of the opinion that Mr. R. MacDonald Murray, the candidate in the last Council Election with now the highest votes next to those elected, should be co-opted to the Council of the Pharmaceutical Society; (2) That the Pharmaceutical Society's Council, in order to obviate cruel confusion in the mind of a patient or person entrusted with a prescription for dispensing, should make representations to the Minister of Health to have included in the National Health Service dispensing contract a clause which would prohibit competitive advertising in this connection.

## IRISH NEWS

**Students' Council.** — The following officers of the Pharmaceutical Students' representative Council were elected recently: *Chairman*, Miss Peggy Fallon; *Vice-chairman*, Mr. Gerard O'Neill; *Correspondence Secretary*, Mr. Arthur Allaire; *Records Secretary and Treasurer*, Mr. John F. O'Grady.

**Camogie Club Officers.** — The following officers of the Chemists' Camogie Club were elected at the annual meeting held recently in Dublin: *Chairman*, Miss Cora Caffney; *Vice-chairman*, Miss K. Noonan; *Secretary*, Miss Peggy Fallon; *Treasurer*, Miss Alice Hughes; *Committee*, the Misses Farland, Birmingham, O'Toole and Macermott, Messrs. S. Fox and M. Dillon.

**Golfing Society's Officers.** — At the annual meeting of the Irish Chemists' Golfing Society held recently in Dublin, the following were elected: *Captain*, Mr. Ephonus Thornton, Enniscorthy, co. Wexford; *Secretary*, Mr. P. A. Fahey; *Treasurer*, Mr. J. J. Roche; *Committee*, Messrs. T. R. Bourke, J. Daly, T. J. Lynch, P. McAuliffe, E. McManus, S. J. Savage and J. Smyth.

**Athletic Club Officers.** — The following officers of the Chemists' Gaelic Athletic Club have recently been elected: *Patron*, the president of the Pharmaceutical Society of Ireland; *Chairman*, Mr. P. C. Cahill; *Vice-chairman*, Mr. T. J. Banks; *Treasurer*, Mr. T. K. O'Keefe; *Secretary*, Mr. Seamus Fox; *Assistant Secretary*, Mr. George Henry; *Captain*, Mr. Kevin Banks; *Vice-captain*, Mr. George Henry. Four of the club's players have had the distinction of being picked for inter-county contests.

**Cork Guild of Pharmacy.** — Mr. R. D. Clarke presided at the November meeting of the Cork Branch of the Guild of Pharmacy when Mr. J. D. Blair reported on a number of successful social events and announced plans for the future. The following officers of the social committee were elected: *Chairman*, Mr. John J. Regan; *Treasurer*, Mr. Colm O'Byrne; *Secretary*, Miss N. T. Murray; *Committee*, the Misses E. Fleming, B. O'Donovan, M. Luggan, P. O'Connor and Murphy, and Messrs. L. P. Johnson, T. Lyons, D. Fleming, R. J. Curtis, T. O'Hanlon, W. Harrington and Noel Mahony.

**Belfast Students' Meeting.** — At a meeting of the Association of Past and Present Students of Pharmaceutics in the College of Technology, Belfast, on November 26,

Mr. C. W. Young, Ph.C. (senior lecturer in pharmaceuticals), was elected *President*. Other appointments were: *Vice-presidents*, Messrs. John McGregor, E. A. Richey, and N. J. Harper; *Chairman*, Mr. J. Anderson; *Vice-chairman*, Mr. J. McFarland; *Secretary*, Mr. T. McDaid; *Treasurer*, Mr. E. G. Mackle; *Committee*, the Misses M. Blair, J. Haldon and M. Kinney, and Messrs. A. Storey, J. Wilson, D. Anglin, B. McIlroy and S. Cromie.

**Ulster Associates.** — Mr. John G. McGivern, Ph.C. (chairman), presided at the November committee meeting of the Associates' Section of the Ulster Chemists' Association held in Belfast. The following were approved for associateship: Miss A. Devlin and Messrs. J. Chapman and W. S. Abernethy (assistants), and Mr. A. J. Mulholland (apprentice). It was decided that future Committee meetings would be held on the fourth Thursday of each month, except in December, when the meeting would be held on the third Thursday. A report was received from Mr. J. Coulter (convenor, Hospital Pharmacists' Committee) on arbitration awards in the case of a hospital pharmacist.

**N.I. Health Services Bill.** — Before the end of the committee stage of the Health Services Bill in the Northern Ireland House of Commons on November 26, an amendment moved on behalf of the Pharmaceutical Negotiating Committee by Mr. Fred Thompson provided for the new Hospital Authority to include a person or persons appointed after consultation with such organisation or organisations as may be recognised by the Minister of Health as representative of the pharmaceutical profession. The amendment was accepted by the Minister and passed without a division. The passage of the Committee stage showed a wide measure of agreement between the Government and the professions and hospital authorities.

**Irish Drug Association.** — Mr. M. Costello (president) was in the chair at a meeting of the Committee of the Irish Drug Association held on November 24. Members were warned that a man who usually posed as a doctor had been attempting to obtain illegal supplies of dangerous drugs from pharmacists in the Dublin area. The secretary (Mr. B. R. Smith) reported that discussions had taken place on the distribution policy of a toilet manufacturer, and all chemists would now be able to procure the company's products subject to certain conditions. The Committee decided



to send a subscription of £25 towards the Chemists Federation Publicity and Propaganda Fund. Mr. Alex J. Lyons, Ph.C., Medical Hall, Dunshaughlin, co. Meath, and Miss T. Walshe, Ph.C., Medical Hall, Swinford, co. Mayo, were elected members.

**Dublin Club Proposed.** — Mr. Seamus Fox presided at the annual meeting of the Pharmaceutical Chemists' and Students' Social Committee held recently in Dublin. Mr. M. Walshe (secretary) in his report said the committee's objective was the establishment in Dublin of a pharmaceutical recreational centre; the work of building up finances for the purpose was progressing steadily but the actual purchase and equipment of premises could not yet be undertaken. Mr. W. J. Gardner (treasurer) presented a financial report showing £1,400 in the bank, and revenue from dances and subscriptions of £400. The president of the Pharmaceutical Society of Ireland (Mr. P. A. Brady) was unanimously elected *President* of the committee, with Mr. T. C. Scott as *Vice-president*. The following were also elected: *Chairman*, Mr. Seamus Fox; *Vice-chairman*, Mr. E. Brown; *Treasurer*, Mr. W. J. Gardner; *Secretary*, Mr. M. Walshe; *Assistant*, Miss P. Fallon.

**Young Priests' Society.** — A meeting held in Dublin on November 27 to revive and strengthen the pharmacy branch of the St. Joseph's Young Priests' Society was well attended, especially by young people. Messrs. M. Ryan (president), P. A. Brady (president, Pharmaceutical Society of Ireland) and F. X. Meagher, and the Reverend Fathers F. J. Campbell, O.P., C. McGivern, O.P., and E. Ryan, O.M.I., were on the platform, and Mr. Seamus Fox (chairman, Pharmaceutical Social Committee) was in the chair. Mr. Meagher described the origin of the branch and appealed to the younger generation of pharmacists for support. Mr. Fox said the branch needed fifty to sixty "promoters," each of whom would be given not more than five or six local pharmacies from which to make a monthly collection. Promoters were also expected to attend the monthly meetings. Father McGivern described some of his experiences during thirteen years' missionary work in the West Indies. Mr. Brady spoke optimistically of the future. Miss Peggy Fallon (chairman, Students' Representative Body) pledged the support of Catholic students, and at the close of the meeting many names of those willing to act as promoters were handed in. Other pharmacists willing to help should communicate with Mr. Fox.

## OVERSEAS NEWS

**Texas Chemical Conference.**—Chemists from eight States are to participate in a South-west regional meeting of the American Chemical Society to be held in Texas on December 12 and 13.

**South African Regulations Repealed.**—A Government proclamation published recently in Pretoria repealed war-time regulations that permitted pharmacists to substitute alternative drugs when those prescribed by doctors were unobtainable.

**Simulium Fly in Kenya.**—The insect-borne diseases division of the medical department of Kenya claims to have eliminated the simulium fly (carrier of onchocerciasis) from the Kovirondo country by treating infected waters with a DDT emulsion.

**Dutch Morphine Plant.**—Construction of a new plant for large-scale production of morphine from poppyseed chaff has been announced by the Bonnema and Switsa pharmaceutical works at Apeldoorn, in Holland. Other pharmaceuticals are also to be manufactured in the new plant.

**Brazilian Works Expansion.**—Scrubb & Co., Ltd., London, have sent a special representative out by air to bring the technical and marketing arrangements at their factory at Sao Paulo, Brazil, up to date. The factory was opened twenty-five years ago. After the reorganisation the company's recently introduced cleaning preparation will be added to the list of products available in that territory.

**Italian Olive Oil Price.**—The Italian Government's Price Committee has fixed the price for olive oil during the 1947-48 season at 37,500 lire per quintal. After addition of distribution costs, retailers' profits, etc., however, the price consumers will pay will not be less than 450 lire a kilo. Production is expected to exceed 2.5 million quintals, while the national quota is expected to total 750,000 quintals.

**U.S. Interim Aid for Europe.**—The United States Secretary of Commerce (Mr. W. Averell Harriman), speaking before the Senate Committee on Foreign Relations in Washington on November 12, said the programme of interim aid which was being considered by the Committee involved the authorisation of an appropriation of \$597,000,000 for interim aid to Austria, France and Italy; of this \$35,000,000 was for fertiliser, pesticide and seed, and \$4,000,000 for medical supplies.

## TOPICAL REFLECTIONS

### Increased Purchase Tax

The sudden increases of rates of purchase tax are the more annoying because they come about midway in this year's period of the Christmas trade. As the letter of the Proprietary Articles Trade Association's Secretary (p. 669) shows, it may be some time before stocks of packed goods marked with new tax-inclusive prices are in circulation. Meanwhile, retailers are put to the trouble of explaining to suspicious customers the reason why marked prices of goods are not the real prices of those goods. In the interval between "zero" day and the opening of sale widens, it may become increasingly difficult to persuade retail purchasers that under-priced articles are not old stock which should have been sold long ago. Much forbearance will be required in dealing with such cases. On p. 656 we learn that no increase in shop-window lighting for the Christmas season is to be permitted. Another dose of austerity that will not make trading any easier. The only thing to be done, by wholesalers and retailers alike, is to bear this trouble as philosophically as may be. It will probably be useless to write to any Government department about it. Dr. C. K. Allen has just contributed an amusing article to "The Spectator," discussing with forensic subtlety a case in which a ruling was sought from a Ministry—no matter which ministry—about a cake offered as a prize. The question was whether the cake could legally be offered and accepted without the use of coupons or points. The meaning of the official reply was obscure.

### Questions of Policy

In an address at Bradford (p. 667), Mr. M. Hirst made some thoughtful observations on the policy of the Pharmaceutical Society's Council. I limit my comment to two subjects, education and the Society's new headquarters. Details of the "drastic pruning" advocated by Mr. Hirst for the Society's present curriculum are scanty, though it appears that he would like the subject of business methods added. No examination should impose greater demands on candidates of average capability than is expected to cope with: for this reason I believe that fuller use should be made of optional subjects, so that the total volume of studies prescribed is not excessive. If, as Mr. Hirst thinks, the number of personally owned pharmacies is likely to decrease, it seems to follow that in the not

very distant future the majority of registered pharmacists will be employees. What effect will this change have on the finances of the Society? Nothing has been heard lately, so far as I remember, of the committee investigating the Society's financial position: its deliberations ought soon to result in a report. Mention of this committee brings me to the question of the Society's new headquarters. The situation brought about by recent transactions between the University of London and the Society, though so far we know little about them, will soon demand general discussion by members. Such discussion, far from being a hindrance to the Council and its expert advisers, should be welcomed by them. The old solution of the difficulty by dividing the Brunswick Square scheme into three parts may at last be adopted unanimously.

### Calling Mrs. Beeton

When, some years ago, a well-known pharmacist was hearing a case in his capacity as a magistrate, he asked a barrister or solicitor who referred to a Beeton cookery book: "Are you calling Mrs. Beeton?" The writer of the attractive article "Rest Cure" (pp. 664-67) has called Mrs. Beeton effectively. So persuasive is his account of the benefit of a stay at Birdsgrove House, Mayfield, that many of your readers must have experienced a desire to apply to the appropriate authority for further information. On the ground of catering for a fastidious patient the physician, the nurse and the cook meet—in consultation and perhaps in rivalry. From time to time you have published abstracts of helpful monographs and lectures on dietetics, a subject of perennial interest in the light of changing concepts of nutrition. Many medical practitioners have published observations on the choice of foods and drinks in illness, convalescence and old age. None of them, I suppose, had a greater vogue than George Cheyne: from 1720 to 1742 he issued several books based, to a great extent, on his experience as a fashionable physician in London and Bath. Cheyne's opinions were definite and often dogmatic. Thus, in "An Essay on Regimen" (1740) he wrote: "It is Diet alone, proper and specific Diet, in Quantity, Quality and Order, . . . which is the sole universal Remedy, and the only Mean known to Art, or that an animal Machin, without being otherwise made than it is, can use with certain Benefit and Success." **Xrayser**



## COMPANY NEWS

**D. C. HAMILTON, LTD. (P.C.).**—Capital £1,000. To carry on the business of chemists, druggists, etc. Dudley C. Hamilton, Mrs. Vera Hamilton, directors. R.O.: 41 John Dalton Street, Manchester.

**A. D. HOWLETT, LTD. (P.C.).**—Capital £100. To carry on the business of manufacturers of chemicals and chemical compounds, etc., Albert D. Howlett and John P. Moll, directors. R.O.: Cree House, Creechurch Lane, London, E.C.

**FALCON MANUFACTURING Co., LTD. (P.C.).**—Registered in Belfast. Capital £100. To carry on the business of chemists, druggists, etc. The first directors are not named. Subscribers' address: 11 Garfield Street, Belfast.

**I. HUNTERMAN, LTD. (P.C.).**—Capital £2,000. To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, toilet goods, etc. The first directors are to be appointed. R.O.: 9 High Street, Whitton, Twickenham.

**H. J. SCOTT (ROSYTH), LTD. (P.C.).**—Registered in Edinburgh. Capital £3,000. To carry on the business of wholesale and retail chemists, pharmacists, druggists, etc. Mrs. A. M. G. Scott and W. P. Martin, M.P.S., directors, Braemount, Station Road, Kelty.

**FINEGRADES, LTD. (P.C.).**—Capital £100. To carry on the business of manufacturers, importers and exporters of and dealers in chemicals, fine chemicals and chemical products, etc. John W. Cox and Claude E. Paddon, directors. R.O.: 76 Princes Gate Mews, London, S.W.7.

**N. PACKWOOD (CHEMISTS), LTD. (P.C.).**—Capital £5,000. To carry on the business of manufacturing, pharmaceutical, analytical, photographic, dispensing chemists and druggists, etc. Noel Packwood, M.P.S., and Joan Packwood, directors. R.O.: Lee Road, Lynton, Devon.

**DR. WHITE'S MEDICAL HALL, LTD. (P.C.).**—Registered in Dublin. Capital £5,000. To acquire the business of a vendor of drugs, patent medicines and other medical preparations carried on by G. Gilmore, M.P.S.I., at High Street, Kilkenny, as "The Medical Hall." First directors are not named.

**J. N. SAMPSON, LTD. (P.C.).**—Capital £5,000. To carry on the business of consulting, analytical, manufacturing, pharmaceutical and general chemists, etc. Dr. John N. Sampson, John R. Heather, M.P.S., and Edith J. Sampson, directors. R.O.: 47 Station Road, Redhill, Surrey.

**ASHILL DISTRIBUTORS Co., LTD. (P.C.).**—Capital £5,000. To carry on the business of manufacturers of and dealers in chemical and other fertilisers, insecticides, disinfectants and spraying machines, etc. John K. M. Broadhead, Chester F. Robin,

Douglas H. Sanderson, Henry G. Park and John F. Cumming, directors. R.O.: 6 Tombland, Norwich.

**BEECHAM GROUP, LTD.**—The list of applications for the issue of 1,500,000  $\frac{1}{2}$  p. cent. £1 redeemable cumulative preference shares at par was closed on November 2. The issue was very heavily oversubscribed.

**GENATOSAN, LTD.**—Trading profits for the year ended June 30 amounted £100,479, against £151,987 in the previous year. Tax absorbed £26,457, compared with £43,429 in 1945-46. The ordinary dividend is maintained at 50 per cent.

**STAFFORD ALLEN & SONS, LTD.**—Mr. Anthony William Allen, the son of Mr. Kenneth C. Allen, who has been made director, is the second member of the fourth generation in the company.

## BUSINESS CHANGES

**MR. H. S. GRAINGER, Ph.C.,** has been appointed chief pharmacist at the Westminster Hospital, London, S.W.1.

**MR. J. N. D. GRAY, M.P.S.,** has become a partner in Farie & Co., chemists, Stratallan Pharmacy, Bridge of Allan, Stirling.

**VITAMINS, LTD.,** have appointed Mr. F. R. Crabbe representative for West and South-west London, and Mr. S. Lee representative in Northern Ireland.

**CHESEBROUGH MANUFACTURING Co., LTD.** have appointed Mr. Robert Acomb as the representative in Scotland to succeed Mr. W. F. M. Gilchrist, who is due to retire.

**UNIVERSAL METAL PRODUCTS, LTD.** Langley Road, Pendleton, Salford, Lancashire, have appointed Mr. J. G. Wilson sales manager of their metal department and Mr. H. G. Whitehead sales manager of their plastics division.

**A. E. STANNARD, LTD.,** manufacturers and wholesale chemists, Vernon Walk, Taunton, Surrey, have appointed Mr. M. Greening sales controller for Lancashire, Cheshire and North Wales. Mr. Greening was formerly England and Wales area manager for Kolynos (Sales), Ltd.

**BRITISH ALUMINIUM Co., LTD.,** London, announce the following appointments: Mr. E. A. Langham to be general manager for the company in India; Mr. A. W. Langham to be sales manager, with responsibility for the sales and sales-planning departments.

**BURROUGHS WELLCOME & Co.** are transferring their home division and veterinary department on December 15, and their biochemical department and overseas division on December 22, to 183 Euston Road, London, N.W.1 (Telephone: Euston 4477). The trade counter remains at 12 Red Lion Square, W.C.1 (Telephone: Chancery 6621).

## PERSONALITIES

MR. P. C. CAHILL (managing director of C. Cahill & Co., Ltd., and a former president of the Pharmaceutical Society of Ireland) has been appointed a member of a special committee set up by the Minister of Health to examine medical education in Ireland.

MR. A. T. OPIE, M.P.S., 38 Market Place, Penzance, has been elected County Council representative on the Executive Council for Cornwall. He has also been appointed representative on the Cornwall Insurance Committee. Mr. Opie was recently made a County Alderman.

MISS PEGGY FALLON, who was recently elected by the Pharmaceutical Students' representative Council as chairman, 1947-48, is the first lady and first apprentice to hold this position. She is serving her apprenticeship with Mr. Martin Ryan, M.P.S.I., Dublin.

MR. JAMES IRWIN, M.P.S.N.I., Dunfermline, who returns to the Council of the Pharmaceutical Society of Northern Ireland as druggists' representative (see p. 657), retired in October last under the statutory reduction of membership. He now takes the place of Mr. Harold Nelson, Burn.

MR. H. CHEETHAM & SON, 274 Spotland Road, Rochdale, Lancs, contributed a letter to the "Manchester Guardian," November 1947 issue, pointing out anomalies in the purchase tax regulations. "The amateur photographer," said the letter, "gets his camera tax-free, but should he take it in the form of medicine he will pay the tax."

MR. T. B. CHADWICK, M.P.S., has been appointed to the London publishing staff of THE CHEMIST AND DRUGGIST. For the last two years Mr. Chadwick has been an executive officer of the National Pharmaceutical Union at Queen Square, London, W.C.1, prior to which he was for nine years representative of the C. & D. in the north of England. Mr. J. F. FIRTH, M.P.S. (C. & D. publishing staff) has been appointed a London representative of the paper. He will take up his new duties on January 1, 1948.

ROYAL SOCIETY awards announced recently include: Royal medals to PROFESSOR G. N. HINSHELWOOD, F.R.S. (president of the Chemical Society), for work on the mechanism of chemical reactions from gaseous processes to cell division, and to DR.

F. M. BURNET, F.R.S., for work on bacteriophages, viruses, and immunity; the Davy medal to PROFESSOR L. C. PAULING for work on the theory of valency and its biological importance; and the Buchanan medal to SIR EDWARD MELLANBY, F.R.S., for researches on the physiology of nutrition.

MR. CYRIL COOPER, M.P.S., for nearly twenty-five years one of the London

representatives of THE CHEMIST AND DRUGGIST, has been appointed sales director of Moore Medicinal Products, Ltd., Aberdeen. He will be in charge of sales and southern counties distribution at the company's new London office, which will be opened at 64 Gloucester Place, London, W.1, early



in the New Year. Mr. Cooper served his pharmaceutical apprenticeship with the late Mr. T. Dobinson, Bishop Auckland, co. Durham. After service with the Royal Engineers in the 1914-18 war, during which he was engaged in work on poison gas, he was demobilised in 1919. He qualified from the Glasgow School of Pharmacy, and was a branch manager for Taylors, Ltd., at Wallsend, Wakefield and Manchester before joining the C. & D.

MR. HUGH PATRICK CROSSIN, M.P.S.N.I., 130 Donegall Street, Belfast, who has been co-opted to fill a vacancy on the Council of the Pharmaceutical Society of Northern Ireland (see p. 657), is a well-known member of the profession in Belfast. He has been a member of the Ulster Chemists' Association since its inception, and was its president in 1944. He continues to serve on the Executive Committee. After an apprenticeship with Davidson & Murray, Mountpottinger, Belfast, Mr. Crossin qualified in 1916, while employed by Mr. H. F. Moore, Royal Avenue, Belfast. He was afterwards with Harmur, Ltd., Ann Street, Belfast, and in 1918 started in business on his own account in Donegall Street. He has taken part in many competitions organised by the Ulster Chemists' Golfing Society.



## THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

THE Medical Practitioners and Pharmacists Bill received its third reading in the House of Lords on November 27, and was sent to the House of Commons for a second reading.

### Diabetic Chocolate

In the House of Commons on November 24 MR. G. WILLIAMS asked the Minister of Food if there would be supplies of diabetic chocolate in the shops during the winter months.

MR. JOHN STRACHEY: Diabetic chocolate will be available during the winter months in the shops that normally sell it. Owing to scarcity of certain essential ingredients (for example, sorbitol) supplies are limited, and it is not possible to increase the present rate of distribution.

### Vaccination and Poliomyelitis

MR. S. P. VIANI was advised by the Minister of Health (MR. ANEURIN BEVAN) that there were no medical grounds for attributing to vaccination any connection with poliomyelitis.

### Parapanit

SIR CHARLES MACANDREW asked the Board of Trade if import licences would be granted for Parapanit, made by Geigy & Co., Switzerland, to individuals suffering from Parkinson's disease, when the compound was prescribed by patients' doctors. MR. BELCHER replied, "Yes, where the application for a licence is supported by a medical certificate."

### Industrial Overalls

MR. A. GILZEAN asked the President of the Board of Trade if he would seek to increase the supply of industrial overalls, and MR. BELCHER replied that an increase was dependent on greater supply of cloth. "All practicable steps are being taken to increase the availability of cloth consistent with the attainment of the export targets for textiles."

### Distribution of Vitamin Products

On November 26 LADY GRANT asked the Minister of Food whether, in view of the fact that the latest uptake figures for orange juice, cod-liver oil and vitamin tablets were only 41 per cent., 33 per cent. and 35 per cent. respectively, he would consider making those welfare foods available to children over five on their tea ration. MR. JOHN STRACHEY replied: As orange juice

costs dollars, I am afraid that I cannot at present extend the class of beneficiaries. Cod-liver oil and vitamin tablets may be obtained by anyone through the ordinary retail channels.

MR. WALTER FLETCHER asked if there were not many sources of orange juice which were not of the dollar area, and received the reply that these were already used to the full.

### Tax on Medicines and Cosmetics

BRIGADIER J. S. B. LLOYD moved an amendment on December 2 to ensure that the increase in purchase tax should not apply to drugs or medicines manufactured or prepared. Iodine, a simple medicine, was subject to purchase tax, and he could not help being surprised that the Government had doubled the tax on so simple an antidote to cuts. He was surprised also that a Government which had succeeded in bringing so much cold and misery to most homes had put a tax on so simple a cold preventive as quinine. Many of the simpler forms of poison were on the free list. Perhaps that was deliberate from the humanitarian point of view, as it provided a cheap escape from the brave new world of Socialism. Cough mixtures and most drugs for relieving pain were affected by the tax, which constituted an attack on sickness. Minor ailments were often prevented from becoming more serious by medicines, and if the aim of the tax was to mop up surplus purchasing power it might defeat its own purpose through hospital expenses being involved.

SIR HENRY MORRIS-JONES said he had never understood why medicines were subject to purchase tax. There was no more solid argument for taxing medicines than there was for taxing food.

MR. J. G. BRAITHWAITE said the tax ran counter to the whole object of the Budget. It did not counter inflationary pressure nor mop up surplus spending power. Nobody took medicine for fun.

SIR STAFFORD CRIPPS said a very large and long list of excluded drugs were dealt with by the Exclusion Order of 1945. For some time there had been discussions with the Ministry of Health about the extension of the list in order to get it on a sounder basis. He was prepared to admit that its present basis seemed to be wholly illogical. Between now and April 1948 there should be a re-examination of the question with a

new to excluding those drugs of real importance and which made the tax unfair. Prescribed medicines did not attract the tax as "manufactured articles." The tax primarily affected "patent" medicines, the stamp duty on which was withdrawn during the war and the purchase tax substituted. The receipts from that tax were, therefore, nothing but a substitution for the old stamp duty. The bulk of the increases in taxation would fall on those classes of medicines which used to be subject to stamp duty.

MR. H. N. LINSTAD said 50 per cent. of the medicines prescribed nowadays were proprietary medicines and therefore 50 per cent. of the National Health Service prescriptions would attract the tax.

The amendment was defeated.

SIR THOMAS MOORE moved an amendment that the new higher rates of purchase tax should not apply to toilet preparations. He said that, for a large number of profes-

sional women, such as actresses, cosmetics were the "tools of the trade." Cosmetics were the greatest single factor in the morale of all women. Britain's world export trade in cosmetics depended on a good domestic market, which could not be maintained if it were wiped out by the imposition of such high taxes.

MR. GLENVIL HALL (Financial Secretary to the Treasury) said the Government could not accept the amendment because it would cost £2,500,000. If the Government had that amount of money to spare there were other directions in which it could be expended more profitably.

The amendment was withdrawn.

### Economic Secretary to Treasury

A Ministers of the Crown (Treasury Secretaries) Bill, which provides for the appointment of an Economic Secretary to the Treasury, was introduced in the House of Commons on December 2.

## DECISION ON INTERNATIONAL PHARMACOPŒIA

THE first meeting of the Expert Committee of the World Health Organisation on the Unification of Pharmacopœias was held at Geneva on October 13-17. There were present Professors N. Baggesgaard Rasmussen, Denmark, E. Fullerton Cook, United States, I. R. Fahmy, Egypt, and Dr. C. H. Hampshire, Great Britain. Professor R. Cazard, France, was prevented by illness from attending. The members were welcomed, on behalf of the executive secretary, by Dr. R. Gautier (counsellor) who said the duties of the Committee would be to continue the work on the unification of pharmacopœias that had been begun by the Technical Commission of Pharmacopœial Experts of the League of Nations. Dr. J. H. Hampshire was elected *Chairman*.

The Committee accepted the general principles expressed in the Interim Report of the previous Commission published in 1945, and approved the monographs contained therein, subject to consideration of any comments which might be received later. The intention that the recommendations of the Committee should take the form of an international pharmacopœia was approved, the scope to be limited in the first place to drugs considered to be essential in medical practice. It was understood that such an international pharmacopœia could have no authority in any country until it had been adopted there.

A list of 534 drugs was considered and 44 were selected for immediate attention.

It was decided that monographs on the drugs for which the Committee on Biological Standardisation had provided standards should be included. Thirty draft monographs were completed, making, with those in the Interim Report, a total of seventy-two. The preparation of drafts of monographs, general notices and appendices, and of reports on special subjects, was allocated among the members present, who also undertook the necessary experimental work. Arrangements were made for special reports on such subjects as alkaloidal assays, boiling-points and melting-points, fineness of powders, and the sterilisation of injectable materials. Because the place of galenicals in medicine had been largely taken by the new synthetics, alkaloids and injectable materials, the Committee decided not to re-establish the Reference Subcommittee on Galenical Pharmacy which had been appointed by the previous Commission. The possibility of establishing an international procedure for naming new drugs at an early stage of their introduction into medicine, and the standardisation of surgical ligatures, sutures and dressings were also discussed and reserved for future consideration. In view of the volume of work to be undertaken and of the necessity for widening the international basis of the work, the Committee recommended that at least three additional members should be appointed and that a unified secretariat with specialised staff should be formed.



## BIRTHS

**BANKS.**—Recently, the wife of Thomas Joseph Banks, M.P.S.I., 63 Oaklands Park, Ballsbridge, Dublin (a former captain of the Chemists' Gaelic Athletic Association), of a son.

**COLLINS.**—At Truro Nursing Home on November 23, Hiliary, the wife of George Trehane Collins, M.P.S., of a son.

## MARRIAGE

**CHESTER-HUNTER.**—In Glasgow, on November 21, Dennis Arthur Chester, Birmingham, to Elizabeth Paterson Aitken, S.R.N., only daughter of Mr. Thomas Hunter, M.P.S., 6 Matilda Road, Glasgow, S.1.

## DEATHS

**COLLINS.**—On November 30, Sir William Henry Collins, managing director of Cerebos, Ltd., aged seventy-four. Sir William was a considerable benefactor of the Royal College of Surgeons. In 1902 he gave £100,000 for the establishment of a chair of pathology and in 1945 a similar amount for a chair of anatomy. The following year he donated a further £100,000 to the College. He was knighted in 1944 and elected an honorary Fellow of the Royal College of Surgeons of England in 1945.

**HOWARD.**—At Foxburrows, Great Warley, Essex, on November 26, Mr. Claude Felce Howard, after a long illness, aged fifty-six. Mr. C. F. Howard, who was vice-chairman of Howards & Sons, Ltd., Ilford, was the elder son of Mr. Alfred G. Howard. He was born in 1891 at Woodford, Essex, and educated at Marlborough and Trinity College, Cambridge, taking a natural science degree. He joined the company in 1912, and was continuously engaged in works management until January 1946, when he had a serious illness, brought on largely by war strain, from which he never recovered. A brilliant chemical engineer, Mr. Howard was extremely active in the introduction of new works processes. A wide knowledge and genial personality admirably fitted him to deal with management problems, and many extensions and developments at the Ilford factory were due largely to his efforts. In 1914 he was mobilised with the Artists Rifles; just prior to the armistice he was commissioned in the Royal Air Force. Throughout the war of 1949-45 he was active in the Warden's Service and in the Home Guard, those

duties adding to his responsibility in carrying on a valuable factory in a danger area proved more than his health could stand. Mr. C. F. Howard had many outside interests. A keen golfer all his life, he was for some years captain of the Thorndon Park Club, Essex. He was also an experienced rifle shot, and had been in both H. School and University teams.

**KENNELLY.**—At his home, 6 Cast Street, Tralee, on November 18, Mr. Patrick Joseph Kennelly, M.P.S.I. Mr. Kennelly had conducted a pharmacy in Tralee for many years past.

**LAYCOCK.**—On November 11, Mr. William Frederick Laycock, M.P.S., 15 Woodmoor Lane, Stockport, Cheshire. Mr. Laycock qualified in 1911.

**NICHOLSON.**—At Ancoats Hospital, Manchester, Mr. William Moffat Nicholson, M.P.S., 16 Rush Hill Road, Uppermill, near Oldham, Lancs, aged forty-seven.

**RIDLEY.**—On November 11, Mr. Ernest Henry Ridley, M.P.S., 47 Bath Street, London, E.C.1, aged fifty-nine.

**ROBINS.**—On November 20, Mr. Henry Robins, 8 Market Place, Wantage, Berks, aged eighty-two. Mr. Robins qualified as a chemist and druggist in 1887.

## WILLS

**MR. LEONARD ROBERT ISAAC, M.P.S.,** 3 Tiverton Drive, New Eltham, London S.E.9, left £1,017, with net personalty £64.

**MR. HUBERT FITZGERALD DANIEL, M.P.S.,** 9 Garratt Road, Edgware, Middlesex, left £2,648, with net personalty £2,540.

**MR. HARRY FRIEDLAND, M.P.S.,** 1 Hardman Avenue, Prestwich, Lancs, left £970, with net personalty £965.

**MR. JOHN WILLIAM CLARK, M.P.S.,** 3 Heywood Street, Bury, Lancs, left £4,320 with net personalty £4,272.

**MR. ARTHUR LANDER, J.P., M.P.S.,** 4 South Canterbury Road, Canterbury, left £12,999, with net personalty £12,949.

**MR. FRANCIS ANTONY KIERNAN, M.P.S.,** 5 The Orchard, Welwyn Garden City, Herts, formerly of 12 York House, Highbury Crescent, London, N.5, formerly chief assistant pharmacist to St. Bartholomew Hospital, left £2,793, with net personalty £2,744.

**MRS. GERTRUDE LOUISE MATTHEW,** Percy House, 13 Grove Road, London N.W.2, left £8,349, with net personalty £8,163. She left her leasehold premises at Aldwych Pharmacy, Ltd., 13 Aldwych, London, W.C.2, and the goodwill of the business to her son, Mr. W. P. Nethercoat, M.P.S.

## LEGAL REPORTS

**Unlawful Possession of Morphine.**—At Marylebone police court, recently, Gertrude Lubrjaneczki, a German refugee nurse, was sentenced to three months' imprisonment for being in unlawful possession of morphine. She was stated to have obtained 783 morphine sulphate from six doctors. The magistrate expressed the view that some of the doctors had been remiss.

**Bail Pending Appeal.**—In the Court of Criminal Appeal on December 1, applications for bail by Messrs. David Weitzman, P., Alfred Stafford Northcott, Joseph West, Ellis Philip White and Adrian Weitzman, who had been convicted at the Central Criminal Court on a charge of conspiracy in the toilet preparations case, were granted in their own recognisances of £500 each and two sureties of £500 each.

**Possession of House Adjoining Shop.**—At Market Rasen county court on December 1, Payne & Starbuck, Ltd., chemists, 17 Queen Street, sought to recover possession of a house adjoining their shop because they wanted it as a residence for a pharmaceutical employee. The plaintiff's case was that the company's managing director was himself qualified, and had to employ a pharmacist. In 1943 the house over the chemists' shop was let to the defendant. The position had now changed and the house was wanted for the employee. Without calling upon the defence, the judge said that no order for possession could possibly be made on the evidence given. Judgment was accordingly given against the plaintiffs.

**Pharmacy Act Fines.**—The Civil Service Supply Association, Ltd., 125 Queen Victoria Street, London, E.C.4, pleaded guilty at the Mansion House justice room on November 24 to charges of having supplied codeine (in Famel syrup) contrary to the Pharmacy and Poisons Act, 1933, and having supplied the poison in a container labelled in the prescribed manner. On August 12 an inspector of the Pharmaceutical Society visited the defendants' premises and asked for a bottle of Famel syrup. The person who supplied him was a departmental manager, but was not qualified. The proprietors had been warned a few weeks previously about sales of that kind. For the company it was pleaded that they had carried on business for a good many years without a single smudge or spot on their reputation. The regular assistant had a good many years' experience at the branch and knew quite well what should

and what should not be sold at her branch. She was on holiday at the time and an assistant went to the Strand branch to stock up with supplies. He made arrangements for some of the preparation to be sent to Queen Victoria Street. On the first charge the company was fined £3, with £2 2s. costs, and on the second was fined £1.

**Leniency After Long Delay.**—A Wood Green general merchant, Jack Rodney, 30 Woodside Road, Wood Green, London, N.22, who had waited for eighteen months before being brought for trial for purchase tax frauds, was for that reason dealt with leniently by the deputy-chairman of the County of London Sessions recently. Rodney was charged with being unlawfully concerned, in September 1945, in a fraudulent evasion of purchase tax in selling bottles of perfume and toilet preparations to Douglas Emley; unlawfully substituting the name of Edward Walter Smith with intent to evade purchase tax; and evading purchase tax on perfumery and toilet preparations purchased from him by Western Agencies and other customers. In the absence of the jury, a legal argument took place on the admissibility of a statement Rodney was alleged to have made to a Customs and Excise officer. A remark made to him by the officer that the Board might impose "a compromise penalty" instead of prosecuting was represented as amounting to offering an inducement. The deputy-chairman ruled that the statement was admissible, and a plea of guilty put in by Rodney to the third charge was accepted by the prosecution. On behalf of the Board of Trade it was stated that a Customs officer investigated Rodney's books and invoices, and found the selling invoices considerably in excess of the buying invoices. Some were for incorrect quantities (e.g., two dozen vanishing creams indicated for a transaction in which the purchaser received six doz.). Defending counsel said that the majority of the people from whom Rodney bought were registered suppliers, and therefore had the prime liability for the evasion of purchase tax. Rodney had never been in trouble before, and the time spent in awaiting trial had affected his health. Imposing a fine of £25 and £25 costs, the deputy-chairman said, "I bear in mind that hitherto you have borne a most excellent character. At the same time, nobody in the world can expect the Court to think that offences against purchase tax regulations are minor ones."



## TRADE NOTES

**New Packings.**—Kerbina, Ltd., 47 Westow Street, Upper Norwood, London, S.E.19, announce new packings in three sizes of Kerbina tablets (for use in pregnancy and childbirth).

**Removing Adhesive Dressings.**—T. J. Smith & Nephew, Ltd., Hull, report an increasing demand for Zoff, a solution for removing adhesive plasters and for cleansing the skin. Orders should be placed through wholesalers.

**Display Material.**—A new 16-page price list of trade equipment for display purposes has been issued by Dudley & Co., Ltd., 451 Holloway Road, London, N.7, who have also produced a broadsheet of Christmas display material.

**Hand Jelly.**—Leda Chemicals, Ltd., Wharf Road, Ponders End, Middlesex, have introduced Jeleda antiseptic hand jelly in collapsible tubes. The product, which is available through wholesalers, is backed by national advertising.

**Price List.**—A new loose-leaf price list of pharmaceuticals and fine chemicals issued by Pharmaceutical Laboratories, Geigy, Ltd., National Buildings, Parsonage, Manchester, 3, includes notes on a number of the company's medical and chemical specialities.

**Change of Formula.**—M. Calthorpe & Co., Ltd., Ossett, Yorks, announce that Vironita, now being prepared under Ministry of Food licence FVP7707/1972/MED, is being made to an improved formula. Details of prices and purchase tax are given elsewhere in this issue.

**Broadsheet of Portraits.**—Personalities associated with the various departments of the House of Maw (S. Maw, Son & Sons, Ltd., Aldersgate House, New Barnet, Herts) are portrayed in a two-colour broadsheet issued by the company. Also included is a description of the company's activities.

**Catalogue of Display Fittings.**—A. J. Gupwell (Shopfitters), Ltd., 54 Bradford Street, Birmingham 5, have produced a thirty-page booklet illustrating the many brackets, stands, showcases, clips, etc., of which they are suppliers. The prices are given on a four-page insert.

**Financially Independent.**—Biddle, Sawyer & Co., Ltd., 4 Grafton Street, London, W.1, state that, while the World Commerce Corporation of New York is associated financially with the Biddle, Sawyer

Corporation, also of New York, U.S.A., it has no financial interest in Biddle, Sawyer & Co., Ltd., London.

**Through Chemists Only.**—Trade inquiries for White Sails "double-strength super-bleach" are invited by the makers, Pola Manufacturing Co., 22A Green Lane, Penge, London, S.E.20. Sales are restricted to chemists, and the names of three wholesale stockists are given in an announcement by the company elsewhere in this issue.

**Children's Tooth-paste.**—Medrano Products (A. Y. Webb), Portland House, Sinclair Road, Kensington, London, W.14,



have introduced Punch & Judy children's tooth-paste in strawberry, banana and peppermint cream flavours. The product is packed in attractive display outers, as illustrated, and supplies are available through wholesalers or direct.

**Free Hair-style Offer.**—Chemists' customers for Missie shampoo, issued by Baldwin Chemical Industries, Ltd., Waltham Cross, Herts, are being offered by the makers a free photographic hair-style suggestion in return for a full-face photograph accompanied by an empty packet of the product.

**New Packings.**—C. J. Hewlett & Son, Ltd., 35 Charlotte Street, London, E.C.2 are now packing their S.B.T. brand sterilised solution of sodium bismuthyltartrate, for the injection treatment of arthritis, in boxes of three 1-c.c. Ampuliques, as well as in rubber-capped bottles of 10 c.c. and 60 c.c.

**"Know-how" Sought.** — The British Export Trade Research Organisation, Premier House, 48 Dover Street, London, W.1, announces that it has received from a U.S. manufacturer of specialised types of industrial chemicals, vitamin products, shampoos, and ethicals, an inquiry for the name of a British manufacturer interested in imparting details of his manufacturing processes in exchange for royalty payments. Contact should be made in the first instance with B.E.T.R.O.

**Display Prizewinners.** — Winners in a crookes halibut oil window display competition in Liverpool, the fourth in a series organised by The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, were: *First* (£40), Mr. W. A. Melton, 72 Aigburth Road, Liverpool, 17; *Second* (£20), Mr. B. Harris, 82 Smith Street, 5; *Third* (£10), Mr. H. Green, 1B Warbreck Moor, 1; *Consolation* (£2 each), Messrs. M. Gaulby, 172 Prescott Road, 7, and H. A. E. Shepherd, 497 West Derby Road, 6.

**Electric Heating Mantles.**—Details are available from J. W. Towers & Co., Ltd., Victoria House, Widnes, Lancs, of electric heating mantles which are being made for the first time in Great Britain and which are being marketed under the name Towers Isomantles. The Isomantles are designed to provide a safe flask heater for inflammable liquids. The mantle can be accurately controlled and thus supersedes oil-baths and open heaters. A pamphlet is available on application to the company giving full particulars.

**Price List and Publications.**—The 1947 price list of MAY & BAKER, LTD., Dagenham, recently issued, is in the coil-wire-bound formation of the previous list, but with considerably more pages. The list includes a blue-tinted Therapeutic Index section. The edition is already exhausted, but a reprint has been ordered, and copies will be sent to all whose applications have not been met. Other publications recently issued by the company include an announcement to retailers about Anthisan and pyranisamine maleate, folders on intraval-sodium brand soluble thiopentone, L. & B. hypnotics and analgesics, and sulnadiazine-M. & B.; and booklets on Thal-zole brand phthalyl sulphathiazole, Bis-copol bismuth ethylcamphorate solution (second edition); and ephedrine hydrochloride, M. & B.

**A Tub in Time Saves . . . ?** "6d. wort tub in time, please."—Order received in writing) by a Dublin chemist recently.

## COMING EVENTS

### Monday, December 8

- WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Central Library Hall, Beckenham Road, Beckenham, Kent, at 8 p.m. Dr. W. F. J. Cuthbertson (Glaxo Laboratories, Ltd.) on "Food and Vitamins."
- HENDON AND EDGWARE BRANCH, PHARMACEUTICAL SOCIETY, Brills Restaurant, 206 Station Road, Edgware, at 8 p.m. Mr. C. Beaven (Parke, Davis & Co.) on "Recent Developments in Hamatology."
- SLOUGH BRANCH, PHARMACEUTICAL SOCIETY, Community Centre, Slough, at 7.30 p.m. Dr. Thompson (Boots, Ltd.) on "Streptomycin."
- MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Theatre and supper party (particulars from Mrs. M. R. Townley, 16 Hurst Bank, Rock Ferry, Birkenhead).

### Tuesday, December 9

- WOLVERHAMPTON CHEMISTS' ASSOCIATION, Povey's Café, Victoria Street, Wolverhampton, at 7.30 p.m. Lecture by Mr. T. Reid (a member of the Society's Council).
- PRESTON BRANCH, PHARMACEUTICAL SOCIETY, Bull Royal Hotel, Church Street, Preston, at 7.30 p.m. Mr. J. A. Speak (clerk to Lancashire Insurance Committee) on "The Pharmacist in the New Health Service."
- BRIGHTON AND HOVE BRANCH, PHARMACEUTICAL SOCIETY, Union Church Institute Hall, Queen Square, Brighton, at 7.30 p.m. Film show: "The Story of DDT," and "The Conquest of a Germ."

### Wednesday, December 10

- GLASGOW AND SOUTH WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Accountants' Hall, 220 St. Vincent Street, Glasgow, at 7.30 p.m. Dr. J. A. Imrie (chief medical officer, Glasgow City Police) on "Medical Science Adapted to Criminal Investigation."
- NORTH STAFFS BRANCH, PHARMACEUTICAL SOCIETY, Grand Hotel, Hanley, at 7.30 p.m. Film show: "Take Thou" (Evans Medical Supplies, Ltd.) and "Infantile Paralysis."

### Thursday, December 11

- PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Evening meeting: Dr. Adrien Albert on "Modern Knowledge of Protein Structure and its Pharmacological Significance."
- WEST HAM AND EASTERN DISTRICT ASSOCIATION OF PHARMACY, Visit to Westminster Hospital Dispensary.
- MANCHESTER BRANCH, PHARMACEUTICAL SOCIETY, Midland Hotel, Manchester, at 7.45 p.m. Mr. H. N. Linstead, M.P. (secretary of the Society) on "Pharmacy under the National Health Service."
- NORTH LONDON PHARMACEUTICAL ASSOCIATION, Bonnington Hotel, Southampton Row, London, W.C.1, 7 to 11 p.m. Dance. Dress optional. Tickets 10s. 6d. each from secretary or any committee member.
- SOMERSET BRANCHES, PHARMACEUTICAL SOCIETY AND NATIONAL PHARMACEUTICAL UNION, White Hart Hotel, Eastover, Bridgwater, at 3.15 p.m., N.P.U. Branch annual meeting. At 5 p.m., tea. At 5.30 p.m., Pharmaceutical Society Branch annual meeting. Mr. A. J. Plowright on "The Training of the Future Pharmacist and Other Matters."

### Monday, December 15

- ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Golden Lion Hotel, Romford, at 7.30 p.m. Film show and lecture arranged by Sharp & Dohme, Ltd.



## SCHEDULES OF TARIFF CONCESSIONS

THE Schedules of Tariff Concessions, resulting from the Geneva Agreement on tariffs and trade (see p. 691) between twenty-three nations, were published recently. There are twenty schedules (the "Benelux" countries, and Syria and Lebanon, are each covered in a joint schedule and not separately), recording the various concessions on duties or preferences which apply multilaterally to each of the countries party to the Agreement. The abstracts given below are some of the principal concessions which directly affect the drug, chemical and allied trades. Copies of the full Schedules are available for consultation at the offices of THE CHEMIST AND DRUGGIST, 28 Essex Street, Strand, London, W.C.2.

### France

Concessions obtained from France (Metropolitan territory) include some hundreds of chemicals and space will only allow of publication of a few selected items. Rates of duty, *ad valorem*, are in parentheses.

Spices: Vanilla (free); peppers (30 per cent.); pimento (20 per cent.); cinnamon, cloves, clove stems (30 per cent.); nutmegs (35 per cent.); mace (20 per cent.).

Gums and gum-resins, varnish gums, shellac, natural balsams (free).

Vegetable saps, juices and extracts, unless elsewhere specified; aloes (5 per cent.).

Lanolin, industrial and pure (20 per cent.); linseed oil, crude (12 per cent.); crude vegetable oils, for soap (6 per cent.); for other purposes (12 per cent.); refined (12 per cent.).

Waxes: Bees', carnauba, candelilla, ouricuri, Japan, etc. (free).

Sugars: Glucose (70 per cent.); lactose (10 per cent.).

Vitamins, their salts and esters (15 per cent.).

Diastases: Pepsin and rennets (20 per cent.).

Camphor, natural, crude (18 per cent.); natural or synthetic, refined (25 per cent.).

Caffeine, emetine, and their salts (13 per cent.); strychnine, theobromine, and their salts (15 per cent.).

Penicillin and similar substances, and their salts (15 per cent.).

Pharmaceutical products: Medicinal preparations, human or veterinary, not put up for retail sale (18 per cent.); the same put up for retail sale, medicaments "sous cachets" and patent medicines (10 per cent. of retail price).

Essential oils, not "deterpened", solid or liquid—a large range are admitted free and a number are at 5 per cent. Terpeneless essences: Lemon, citron, "limette", China orange, bitter orange, bergamot, mandarin, grape fruit (15 per cent.); others (12 per cent.).

Perfumery compounds, for perfumery or food products (15 per cent.); perfumes, extracts, lotions, toilet waters, etc., non-alcoholic, liquid or solid (10 per cent.); alcoholic perfumes, in more than  $\frac{1}{2}$ -litre containers (10 per cent.),  $\frac{1}{2}$ -litre or less (15 per cent.).

Cosmetic, dental and hair products, non-alcoholic (10 per cent.), alcoholic (15 per cent.); other perfumery products (10 per cent.).

Photographic films and plates (15 per cent.) [Different rates are imposed on perforated film, cinematograph and film for polychrome pictures]; chemical products for photographic use (20 per cent.).

### Brazil

Concessions made by Brazil affect the rates of duty on substances used in perfumery, on a large range of chemicals, and on drugs and pharmaceutical products. The items selected are from the latter class of goods. The rate of duty is expressed in cruz, per gm. unless indicated otherwise.

Alkaloids, their derivatives and salts per gm.; apomorphine (1.54); arecoline (0.42); atropine (0.70); cinchonine and cinchonidine, per kilo (37.24); codeine (methylmorphine) (0.70); colchicine (17.08); duboisine or hyoscyamine (0.70); ephedrine (0.14); ergotinine (6.30); eserine or physostigmine (2.24); sparteine (0.14); strychnine (0.14); equinine (ethylcarbonate of quinine) per kilo (50.50); hydrastinine (2.94); ibogaine (2.94); lobeline (0.98); narceine (1.12); narcotine (1.54); nicotine (0.70); papaverine (0.70); quinine (free); thiocine or theophylline (0.28); yohimbine (0.14).

Mepacrine hydrochloride, mepacrine methanesulphonate, pamaquin, praziquine, Paludrine, quinoplasmin, per kilo (11.13).

Capsules: Cod-liver oil, per kilo (14.52); other capsules, per kilo (112.00).

Hexal (acid sulphosalicylate of hexamethylenetetramine) and neo-hexal (neutral sulphosalicylate of hexamethylenetetramine) per kilo (74.34).

Medicinal injections or injectable solutions: defined inorganic and organic chem-

al product bases, per kilo (109.20); hormonal and opotheric substances bases, per kilo (182.00).

Disinfectant or antiseptic preparations: creoline and the like, per kilo (1.53).

Quinine (free).

Trioxymethylene (paraform or paraformaldehyde) per kilo (2.94).

Any drugs, chemical medicines and preparations for internal or external use, not specially mentioned, ex penicillin, pure (free).

### Britain

Tariff concessions made by the United Kingdom include the following products (percentage rate of duty in parentheses):—

Acetic acid, other than glacial or synthetic ( $23\frac{1}{2}$  per cent.); boric acid, refined (20 per cent.); citric acid (10 per cent.); lactic acid ( $33\frac{1}{2}$  per cent.); oleic acid and stearic acid, other than pharmaceutical or reagent grades (10 per cent.); tartaric acid (0 per cent.); vinegar ( $33\frac{1}{2}$  per cent.).

Borax, refined (20 per cent.); boron minerals, crude (free).

Caffeine and salts (25 per cent.); cream of tartar (10 per cent.).

Emetine (20 per cent.).

Iodine, other than pharmaceutical or reagent grades (free).

Menthol, natural, pharmaceutical grade (5 per cent.); other grades (5 per cent.).

Potassium permanganate ( $23\frac{1}{2}$  per cent.); potassium sulphate and chloride, other than pharmaceutical or reagent grades (free); potassium nitrate, other than synthetic (free).

Sodium chromate (10 per cent.); sodium tartrate, other than synthetic (free).

Quinine sulphate of vegetable origin (10 per cent.).

Sulphur, excluding precipitated sulphur, P. (free).

Theobromine and salts thereof (25 per cent.).

Zinc oxide, other than pharmaceutical grades (20 per cent.).

Essential and expressed oils, the following: Castor oil ( $12\frac{1}{2}$  per cent.); citronella oil (10 per cent.); coconut oil (15 per cent.); copaiba oil (free); cottonseed oil (0 per cent.); groundnut oil (15 per cent.); linseed oil (15 per cent.); olive oil (0 per cent.); palm oil, unrefined (10 per cent.); palmarosa oil (10 per cent.); essential oils, natural, but not terpenes, the following: Geranium (free); rosewood (Bois de Rose) (free); ylang ylang (10 per cent.); orange (10 per cent.); vetiver (10 per cent.); aniseed (free); clove (free).

Beeswax (10 per cent.); carnauba wax (free); ouricuri wax (free); paraffin wax (10 per cent.).

Petroleum jelly, not containing any other substance (10 per cent.).

Soft soap (15 per cent.); hard soap (other than abrasive soap and toilet soap) (10 per cent.); toilet soap (25 per cent.).

Natural raw materials in a dried state, not chopped, ground, manufactured or prepared, the following: Quillaia bark (free); liquorice root (free); cumaru seed (free); sesamum seed (5 per cent.); castor seed ( $7\frac{1}{2}$  per cent.); vanilla (10 per cent.).

Cinchona bark (free).

Gambier (catechu pallidum) (free).

Pyrethrum flowers (free).

Dragon's blood (free).

Toilet preparations, the following (excluding bath salts and essences; prepared fuller's earth; soap; and petroleum jelly): Tooth-paste or tooth-powder and liquid preparations for dental purposes and mouth washes; toilet paste or powder; toilet cream; lipstick, rouge and greasypaint; hair dyes; manicure or chiropody preparations; other preparations for use on the hair, face or body (20 per cent.). [These toilet preparations are to be exempt from ordinary most-favoured-nation customs duty which exceed the preferential duties on such products by more than 15 per cent. *ad valorem*.]

## SUDAN GUM ACACIA

RECENT reports from the Sudan gum acacia markets state that 27,578 tons of gum passed through the markets during the period December 1, 1946, to the end of August. Official statistics published by the Sudan Government give total exports during this period at 15,957 tons, leaving a residual stock of 11,621 tons. In September and October there were no arrivals and, estimating the export figures at 5,000 tons for three months, it is thought that the carryover on December 1 will be in the region of 6,500 tons. Principal markets for gum acacia, with their corresponding total imports from December 1, 1946, to August 31, were as follows: United Kingdom, 6,959 tons; U.S.A., 2,036 tons; Italy, 1,654 tons; Belgium, 1,185 tons; Holland, 806 tons. Other markets in order of importance were Sweden, British India, Australia and Egypt. India took only 573 tons compared with over 4,500 in 1946. The small total for American imports indicates that U.S. markets have accumulated large stocks in previous years. The market in the Sudan has remained steady with prices fully maintained: cleaned Kordofan gum is quoted at 68s. 6d. per cwt., c.i.f., and 38s. c.i.f. for cleaned Talha, for prompt shipment.





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 other Chemists' Societies in the Empire.

L. CXLVIII DECEMBER 6, 1947 No. 3237

## Resistance to Penicillin

UNDER the title "The Waning Power of Penicillin," the "British Medical Journal" (November 29, p. 874) tells a rather doleful story of penicillin-resistant staphylococci becoming increasingly prevalent in infections that previously responded fully to the drug. "They now form a substantial proportion of strains for whom (penicillin) treatment is contemplated, and usually use it to fail."

The pronouncement is based on investigations carried out at the department of bacteriology, Hammersmith Hospital, where it was found that, out of 100 patients under treatment for staphylococcal infections between February and June 1947, no less than thirty-eight patients yielded strains grossly resistant to penicillin. Twenty-seven of the thirty-eight strains were tested and found to be penicillinase producers; in most of them *Staphylococcus pyogenes* was either the only or the predominant organism identified; and from 11 specimens resistant and non-resistant strains of *S. pyogenes* were simultaneously isolated. The proportion of penicillin-resistant strains encountered was approximately three times as great as in a similar series of investigations carried out approximately a year earlier, amounting now to 38 per cent. of cases, and the "B.M.J." comments "There is little that can be done to delay the time when a majority of staphylococcal infections will be resistant, at least to a dangerous degree, to treatment with penicillin." The source of the penicillin used in the investigations was not disclosed in the paper.

The question at once arises how this deterioration has come about. It is not considered by the author of the paper that resistance is being acquired by strains that were previously sensitive to penicillin. The view is that resistant strains have survived and multiplied by simple selection in penicillin-treated infections. "In any hospital using large quantities of penicillin, bacteria resistant to its action are probably increasing at the expense of those that are sensitive, and it seems not impossible that in time the resistant organisms will be the sole survivors." If it is true, therefore, that "little can be done" to counteract the "waning power" of penicillin, at least it is clear that "the correct policy is to test the sensitivity of the organism in each case, and to give from the first a dose which should be adequate to control it."

A third question, however, will arise in many minds. Is the jeremiad justified? Has not too much been built on the results of two investigations carried out in a single institution? The findings should be supported by others from a wide range of investigators in many centres before the depressing and dogmatic conclusions of the "British Medical Journal" are generally accepted. It would be useful also if the clinical observations on the patients tested were continued and published.

## Multilateral Tariff Agreement

A WHITE Paper (Cmd. 7258) giving a report on the Geneva Tariff negotiations with the text of the General Agreements on tariffs and trade and the supplementary agreements with the U.S.A. and Canada, has been published by H.M. Stationery Office (price 1s.). The Preparatory Committee of the United Nations Conference on Trade and Employment commenced its second session in Geneva in April. The work occupied two stages: (1) The negotiation of the draft of a charter which was to be considered at the World Conference in Havana and (2) The negotiating of a multilateral trade agreement. The agreement follows the usual pattern of pre-war trade agreements in providing tariff schedules of maximum rates of duty. It represents, in addition, a new development, in that it incorporates multilateral undertakings by



which each of twenty-three countries has bound itself to the other signatories. In addition to the United Kingdom, Canada, Australia, New Zealand, South Africa, India, Pakistan, Southern Rhodesia, Ceylon, Burma, Belgium, Brazil, Chile, China, Czechoslovakia, Cuba, France, Lebanon, Luxembourg, Netherlands, Norway, Syria and the United States of America are parties to the agreement. The tariff schedules annexed to the general agreement are twenty in number (one for each of the contracting parties to the agreement) and they record the multilateral concessions in respect of rates of duty and margins of preference. The schedules affect the rates of customs duty for a wide range of trades, and provide for particular current rates of duty to be bound against increase or to be reduced. They also reduce margins of tariff preference either by special provisions or by reducing the rates of duty applicable to goods from non-preferred sources.

The United Kingdom has undertaken to bind duty-free entry or *ad valorem* duties at current rates or to limit the adjustment, within their pre-war *ad valorem* incidence, of specific duties, affecting classes of goods of which imports to this country from all foreign countries parties to the general agreement were valued in 1938 at £63.1 million. In addition, Britain has undertaken to reduce current *ad valorem* rates of duty on classes of goods of which her imports from all the foreign countries parties to the general agreement were valued in 1938 at £19.8 million, and to bind against increase certain specific duties which, owing to the higher level of post-war costs and prices, have lost a material part of their pre-war *ad valorem* effect. Commonwealth countries are to reduce a number of the margins of preference at present accorded to United Kingdom goods over those from the foreign countries parties to the general agreement. In the majority of instances the reductions are small, but some margins are curtailed by one-third or one-half, and a few have been eliminated. Concessions on individual margins of preference do not indicate that Britain departed from the Imperial Preference system to any marked extent. The concessions affecting the chemical

and allied trades from which the United Kingdom will stand to benefit directly are those on a large range of chemicals from France, on some chemicals and insecticides from Brazil, and on perfumery and cosmetics from the Lebanon-Syria Customs Union.

The Governments of the United Kingdom, Australia, Belgium, Canada, France, Luxembourg, the Netherlands and the United States have signed a protocol under which they undertake to apply the general agreement provisionally from January 1948. The agreement will not come definitely into force until it has been accepted by enough contracting parties to account for at least 85 per cent. of the total external trade of all the signatories.

### Distribution of the Government New Hearing Aids

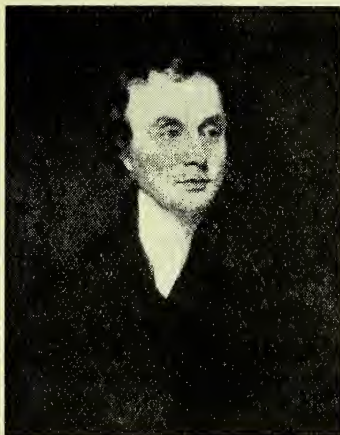
ALTHOUGH the report of the Medical Research Council on hearing aids and audiometers brings an assurance that arrangements for the large-scale manufacture of national hearing aids are in hand (p. 697) little information has come to light concerning the channels through which they will be distributed. So far as it has developed, the scheme for distributing and servicing which the Ministry of Health is considering centres round hospital clinics at which "technical services" will be provided for the "efficient dispensing" of the aids and their maintenance. Up to the present, dispensing chemists are left out of the picture. While certain types of technical maintenance may not come within the pharmacists' province, it would surely be possible for instruments to be supplied by pharmacists to a doctor's specification. Moreover, it would be a convenience to patients if they could obtain new batteries locally, particularly as battery replacement is comparatively frequent. In England and Wales there are only some 300 ear, nose and throat clinics, and, however situated they must be inconveniently located for many patients. The thousands of pharmacies throughout the country would appear, therefore, to offer a solution to part of the supply and maintenance problem, which has been described by the Medical Research Council as "formidable."

# FATHER TO SON FOR FIVE GENERATIONS

The business of Howards & Sons, Ltd., chemical manufacturers, Ilford, celebrates the 150th anniversary of its foundation

In 1797, as a young man, Luke Howard went into partnership with William Allen at Plough Court, Lombard Street, London, and Plaistow, and devoted himself to the making of chemicals on a commercial scale. Ten years later he took over on his own account the manufacturing laboratories of the firm, establishing a business which is today world-famous and "more alive and progressive than at any previous period of its history." He founded also a family which has remained continuously in control of the business through five generations, and provides seven of the present eight directors of

Jewell showed marked ingenuity and resource as foreman of the chemical works and was eventually (1813) taken into partnership. The early activities of the business are vividly recorded, both in the contemporary laboratory notebook of Luke



Left, Luke Howard, F.R.S.

Right, David Howard (senior partner, 1871-1916).

died on November 26 of an eighth, which is recorded with deep regret (see p. 684), leaving a shadow on what is otherwise an entirely joyous occasion.

## Partnership With William Allen

Luke Howard was a chemist and druggist. He served his apprenticeship to George Sims, pharmaceutical chemist, Stockport, Lancs, a Quaker like both Luke and his father. Sims was the proprietor of a business that later evolved into J. C. Atfield & Sons (today operated by James Atfield, Sons & Co., Ltd., Manchester). After gaining London experience with a firm of wholesale druggists in Bishopsgate, Luke Howard set up as a retail chemist on his own account in 1793 or 1795 (there is a conflict of evidence on the date) at 29 Fleet Street, in the City of London. An even longer history than 150 years could be claimed for the business which he founded, except that, until he went into partnership with William Allen, it does not appear that Luke Howard was engaged in the manufacture of chemicals.

With him from Plough Court went Joseph Jewell, originally a porter at the pharmacy.

Howard and in a series of verses written by Jewell about his own part in operating the various chemical processes. Chemicals produced in the early days, when the total establishment was only eleven men, included borax (recrystallised from crude East Indian and other material), succinic acid, silver nitrate, vitriolic ether, solution of ammonia, copper carbonate, potassium acetate, acetic acid, arsenic sulphide and spirit of nitrous ether, many of which have been continuously manufactured in the works ever since. Jewell wrote of the firm's other manufacture:—

And then the aether which I made,  
Claimed nearly all the aether trade  
Throughout the trading nation . . .  
And I could make in two days' time  
As much as could be made in nine,  
By the old chemic movement.

The chemical works was transferred from Plaistow to Stratford. In 1831 Jewell retired, at the age of sixty-eight, and during the next decade Luke Howard himself gradually handed over the chemical direction of the firm to his younger son, John Eliot Howard. The elder son, Robert, was more concerned with management, and





**PRESENT BOARD OF DIRECTORS.** Front row, Messrs. John M. C. Fox, Alfred G. Howard, Geoffrey E. Howard, Bernard F. Howard and H. Lloyd Howard. At rear, Messrs. Thomas W. Howard, J. Anthony E. Howard and H. Lloyd Howard.

eventually became head of the firm. Under his headship a number of spirituous preparations were introduced during the next five years, including spt. ammon. arom., spt. ammon. foetid., lin. camph. co., ethyl acetate, ethyl chloride, etc. The extraction of opium alkaloids (later discontinued) was taken up and Rochelle salt and tartaric acid were prepared from argol. Dry distillation processes were introduced for camphor and calomel, the canary yellow colour of the latter making it a distinctive product for a century.

### Scientific Honours

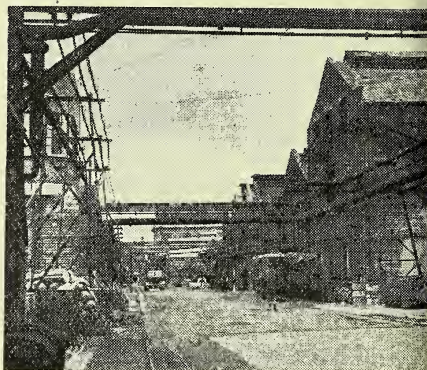
By relinquishing some of his business activities Luke Howard was able to devote more time to his scientific hobbies, particularly meteorology. It was for his pioneer work in this science that he was elected a Fellow of the Royal Society. In a treatise, "Modifications of the Clouds," he introduced the still-used classifications "cumulus," "cirrus," and "stratus," words which prompted the German poetic genius Goethe to dedicate to him two poems ("Howard's Ehrengedächtnis") in which Luke Howard is extolled for his scientific observation and for formulating definitions "which are the same in all languages." Luke Howard's very active "retirement" was to last for fifty years, providing a link with the present day in that he is still remembered by an ex-employee, George Hireson, who, now ninety-three, used as a boy to hold the horse of the founder of the firm on his occasional visits to the works before he died, himself aged ninety-three, in 1864. Robert Howard, who was Luke's successor

as head of the firm and one of the founders of the Chemical Society died in 1871; his brother John Eliot Howard retired and David became senior partner until his death in 1916. David Howard was one of the founders of both the Royal Institute of Chemistry and the Society of Chemical Industry and served terms as president of each body. For over a decade David

Howard carried out all the analytical and research work of the business, continuing a tradition that was not broken until the '80's, when combined business and scientific duties began, under changing industrial conditions, to prove too heavy. The first employee chemist was then taken on. David Howard maintained a family study of chemistry of quinine that had begun when his uncle John Eliot Howard had presented a paper on the alkaloids of cinchona, for which he was made a Fellow of the Royal Society in 1874. Under his leadership the range of products was again enlarged by the addition of cocaine, caffeine, bicarbonate of soda and other compounds.

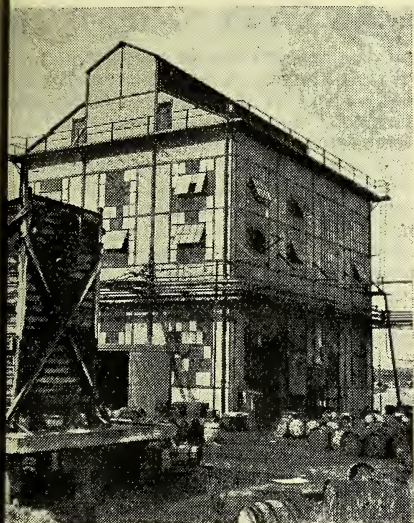
### Pharmaceutical Monographs

The first of the fourth generation of the family to join the partnership was Alfred G. Howard (chairman 1916-41) in 1888.



A road at the works.





Building for solvents manufacture.

vid Lloyd Howard, twice chairman of British Pharmaceutical Conference and author of many original contributions on pharmaceutical subjects, joined the firm in 1888. He was an original member of the Council of the Association of British Chemical Manufacturers, a founder member and trustee of the Wholesale Drug Trade Association, and first chairman of the Drug and Fine Chemical Manufacturers' Association.

The business was incorporated as Howards & Sons, Ltd., in 1903, after forty years as Howards & Sons. From the start there had been six other changes of name (Allen & Howard; L. Howard & Co.; Luke Howard, Joseph Jewell & John Gibson; Howard, Jewell, Gibson & Howard; Howard, Gibson & Co.; and Howards & Co.).

#### Fifth Generation

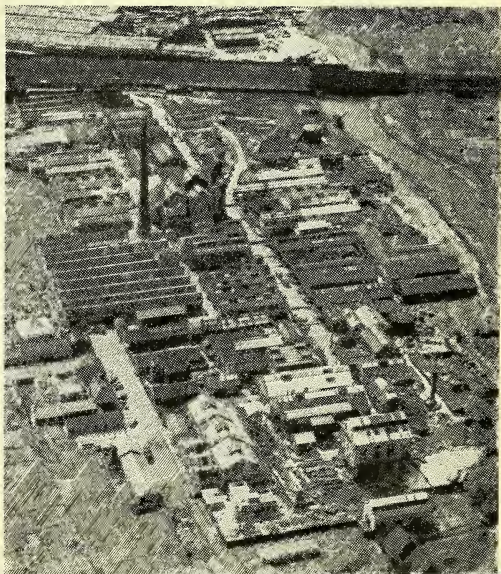
The first of the fifth generation of Howards in control of the company (Claude Howard) became a director in 1916. Between that year and the present time there have been many additions and a number of losses through death or retirement. Today there are on the board three Howards of the fourth and three of the fifth generation, while Mr. J. M. C. Fox is also a great great grandson of Luke Howard. The company's Ilford works dates from 1897, when the first steps were taken in a process of removal that was not

completed before the outbreak of war in 1914. The tablet department, one of the largest in the country, was opened in 1903. Other modern developments were few until the manufacture of aspirin was commenced in 1916 (annual sales of Howards' aspirin tablets today amount to between 250 and 300 millions). A department devoted to research was instituted in 1919, and there followed a series of developments in organic solvents, plastics and technical chemicals. Messrs. Howards pioneered the manufacture in Britain of pure lactic acid and were the first to lay down a plant for the manufacture of lauryl alcohol. Altogether over forty chemicals important in medicine or industry have been added to the company's range since the research department was established, and most of them have been compounds not previously produced in this country. Employees now number 700.

The company is closely associated with Hopkin & Williams, Ltd. (fine and rare chemicals); Baird & Tatlock (London), Ltd. (scientific instruments and laboratory apparatus); Thorium, Ltd. (rare earths); and Hopkin & Williams (Travancore), Ltd. (mineral raw materials).

The company's programme for the immediate future provides for new offices (to replace those destroyed by enemy action in 1940), new research laboratories, new plant and buildings, improved amenities for employees. Doubtless there will also arise new Howards to ensure that the business remains as much a family enterprise, and its reputation as high, as it has been for the past 150 years.

Below: Aerial view of the works, 1947.





## TWO COUNCIL MEMBERS ANSWER QUESTIONS

At a meeting of the Thames Valley Branch of the Pharmaceutical Society held in Kingston on November 27, Messrs. W. S. Howells (treasurer of the Society) and F. C. Wilson (a member of the Council) answered questions put by members. Mr. I. J. Cunningham presided. Some of the questions and answers are summarised below.

### Chemists' Hourly Payment

MR. A. B. THOMAS asked what was considered to be the hourly payment which should properly be made to a pharmacist for working a dispensary. A local hairdresser had told him that he found it necessary to charge 8s. an hour for the service of his assistants. Under the new service, would dispensing have to be subsidised by other forms of retail trade?

MR. WILSON said two working parties were at present visiting pharmacies in England and Scotland to find out similarities and dissimilarities in pharmaceutical practice in the two countries. Also an expert had been engaged by the Joint Committee on a National Pharmaceutical Service to report on the comparative costs of training a pharmacist as compared with professions such as medicine, law, accountancy, etc., and to find out the comparative financial returns in the other professions. Until the report was complete, it would be foolish to guess what the hourly figures would prove to be.

MR. A. HOCKING then asked what effect the Society's new educational proposals would have on those, already in pharmacy, who had taken a shorter course of training than those who would be newly qualified. MR. HOWELLS said there were provisions made in various parts of the country for post-graduate and refresher courses. MR. HOCKING said such courses were available only to those living close to a suitable centre. Lectures in one course in London commenced at 5.30 p.m.

MR. E. BAILEY referred to suggestions that the National Health Service would require a twenty-four-hour service and said that for the past thirty years pharmacists had given under National Health Insurance a service second only to that provided by the medical profession. Prescriptions were presented and dispensed at all hours of the day and night, on Sundays and on holidays, but only rarely was the prescription marked "Urgent" by the doctor. MR. WILSON thought pharmacists need not fear that they would be required to provide a

twenty-four-hour service in every pharmacy. At a recent inquiry into chemists' hours of service held by the Ministry of Health in Kingston, the officer holding the inquiry had been of the opinion that chemists were as much entitled to leisure as any other member of the community. Unfortunately the present N.H.I. regulations stated that only the doctor could indicate that a prescription was urgent. Had chemists taken a more determined attitude by accepting out of hours only "urgent" prescriptions many more would be properly endorsed by doctors.

MR. W. LAW asked whether the Society considered there were sufficient pharmacists to cope with the National Health Service and whether it would become still more difficult to obtain apprentices. Were large numbers of apprentices being trained by multiple shops? MR. HOWELLS said that during the war the number of new apprentices had decreased considerably, but the position had been improving and there were now about 300 surplus over the normal loss by death or retirement. Many more students than in the past were being apprenticed to hospitals and manufacturing institutions but corporate bodies were training a considerable number. There were at present on the register more pharmacists than ever before.

### Authority Responsible

MR. H. R. SALE asked whether it was the intention of the Society to allow a B.Pharm. degree to become the qualification. MR. WILSON said the authority responsible for deciding on the qualifying examination was the Society, with, of course, the approval of the Privy Council. It might be that in ten, twenty or thirty years the majority of students would enter pharmacy by way of the university degree, but the Society held the statutory authority for accepting or refusing any university degree.

MR. SALE then asked whether Mr. Howells or Mr. Wilson would apprentice their own children to a private pharmacist or to a company. MR. HOWELLS said he would apprentice his son to a private pharmacist. MR. WILSON said a student apprenticed to a private pharmacist could usually rely on continuity of training. If apprenticed to a corporate body any change in managers would break the continuity of an apprentice's training. MR. A. SMITH asked if all chemists

ould be compelled to hold a T.S.A. licence before entering the new service. Mr. WILSON was against compulsion but at the number of T.S.A. licences held by pharmacists was inadequate. The individual pharmacist should be left some discretion as to the lines upon which he should develop his business. It would be useless to compel a man to undertake work which he himself did not desire to do; the work itself might suffer to the disadvantage of the profession. It would be good to have in every area one pharmacist with a T.S.A. licence.

MR. A. SMITH asked the cost of making premises suitable for T.S.A. work. MR. WILSON said it would depend on the premises. He had known one T.S.A. room which, exclusive of apparatus, had cost little as £12 10s.

### H.I. Payment Delays

MR. F. BAILEY said that on April 1 the Middlesex Insurance Committee had owed him about £250. The doubling of purchase tax on drugs would still further aggravate the position. MR. WILSON said that some eighteen months ago payments in Middlesex and Surrey had been almost 18 months behind, but the payment made early in November had been within six or eight weeks of the due date. He hoped payment would soon be up-to-date. From December 1, he understood, all prescriptions would be priced with the increased rate of purchase tax. If a chemist had obtained special medicines between November 13 and December 1, the double tax would be repaid if the prescriptions were suitably endorsed.

MR. P. LLOYD asked what would be the effect of health centres on pharmacy. MR. POWELLS thought the retail pharmacist need not fear health centres.

## NATIONAL HEARING AIDS

WORK on which the design of National hearing aids, to be issued under the National Health Service, was based, has been placed on record by the Medical Research Council in a report entitled "Hearing Aids and Audiometers." The new instrument should give relief to the majority of deaf people, of whom there are an estimated half-million in England and Wales alone, but there will remain a small number of people who will require special apparatus, and a further few, including certain aged people, for whom mechanical aids will be of no benefit. Electrical cir-

cuits for two types of instrument are illustrated in the report, one type having a crystal receiver to be inserted in the ear canal, and the other a magnetic receiver to be placed over the ear. In comparative tests with commercially available hearing aids, twenty of the twenty-seven patients taking part obtained best results with one or other of the Committee's models. The instruments embody three midgeet radio valves, at present of American manufacture. Arrangements for the large-scale production of the models are in hand, but the tasks of producing the aids in adequate numbers, and of providing regular servicing facilities, are described as formidable. Copies of the report (No. 261), which also describes research done at the same time on audiometers, may be obtained from H.M. Stationery Office, Kingsway, London, W.C.2, price 1s. 3d.

## FIFTY YEARS AGO

### Provincial Organisation

*From the C. & D., December 4, 1897*

MR. CHARLES THOMPSON [at a meeting of the Midland Pharmaceutical Association] introduced the subject. . . . The time had not yet come [he said] for them to have branches of the Pharmaceutical Society scattered over the land. But he was pleased to find that local associations were being formed, and he believed there was more life in the older associations now than ever before. These associations, linked together by federation would, he thought, infuse more life into their midst. He quoted with approval extracts from Mr. Newsholme's recent speech at Nottingham as to what local associations might do, and what the Council of the parent Society did, and went on to say that, while he sympathised with the Council in their difficult work, he thought it would be a distinct gain to pharmacy if some of the older members could be transferred to the House of Lords. The phrase "Once a Mason always a Mason" might very well be altered to "Once a Councillor always a Councillor." (Hear, hear.) Without being at all personal he suggested there should be an age limit—say, sixty-five—at which councillors should be ineligible for re-election. He was also of opinion that no office, however good the official might be, from the president down to the local secretary, should be held at any one time for longer periods than three, or possibly four years.



## USES OF ULTRASONICS

APPLICATIONS of ultrasonics to the preparation of emulsions, sterilisation, the coagulation of smoke, and certain other purposes were investigated by the Siemens-Schuckertwerke, Berlin, during the 1920-25 war, and are the subject of a B.I.O.S. Final Report published recently (No. 1504). For emulsification (the most common application of ultrasonics) the ultrasonic waves were produced either with an ultrasonic whistle, or by electrical methods. In the mechanical type, the whistle was immersed in the liquids to be emulsified and the mixture was forced through the whistle at a pressure of 10-20 atmospheres, so producing ultrasonics throughout the whole liquid. A whistle 15-20 cm. long, and producing a frequency of 15 kilocycles per second, prepared 50 litres of emulsion in a few seconds. Work done by Schöfer and Barwich had shown that emulsions were formed by the cavitation effects produced in the liquid, and not by the sound waves themselves. It was found advantageous to form a primary emulsion with low-frequency agitation (100 cycles per second), and, in a second stage, to subject the product to a frequency of about 10 kilocycles per second. Many types of emulsion had been prepared.

Work on the sterilisation of water by ultrasonics had not been completed, but it had been found that *B. coli* was easily destroyed, and that cocci were unaffected.

## COLLECTIONS OF CULTURES

THE report has just been published of a specialised conference, held in London in August, on suggested collections of cultures of micro-organisms in Commonwealth centres. The suggestion arose out of recommendations made at the British Commonwealth Scientific Official Conference, 1946. Recommendations include the establishment of a Commonwealth organisation to be known as the British Commonwealth Collections of Micro-organisms, charged with the duties of encouraging the expansion of existing culture collections, creating new ones, and making them more available for general use. A permanent committee of the organisation would co-ordinate research between the Dominions, while National committees would function in each Dominion. A directory of the collections and catalogues of cultures are recommended.

The object of maintaining culture collections, says the report, is to preserve

organisms of scientific or practical interest and to provide certified cultures as standards and for teaching purposes. List biological and medical institutions would be invited to be responsible for particular types of culture. A further recommendation is that the National Collection Type Cultures should be renamed the British Collection of Bacteria. Cultures kept it should be prefaced by the letters B.C.

## CORRESPONDENCE

### Tax on Essential Drugs

SIR,—In my letter on the above subject you published in the *C. & D.* last week (p. 664) the item "All anaesthetics" is incorrect. It should read "Some anaesthetics."

Ripley, Surrey. KENNETH E. WHITE.

### R.A.M.C. Pharmacists

SIR,—While the status of the pharmacist in the Royal Army Medical Corps is far from satisfactory, too much emphasis can be placed on the virtues of a commission. May I, therefore, point out the following advantages enjoyed by a sergeant: (1) He is a senior N.C.O. instead of a junior officer. (2) His clothing and equipment are provided free of cost. (3) He may make use of Service canteens. (4) He may "hitch-hike" and openly travel third class. (5) His messing fees are low. (6) The transition from Service to civilian life is liable to produce fewer rude awakenings.

"THREE-STRIPER."

### Birdsgrove House

SIR,—May I comment on your article in last week's issue of *THE CHEMIST AND DRUGGIST* (p. 664) entitled "Rest Cure Impressions of Birdsgrove House, the Pharmaceutical Society's Convalescent Home." It was a most interesting and informative description of a very beautiful home, and I am certain it will have brought the marvellous facilities of Birdsgrove House to the notice of many of your readers who were not aware of this service provided by the Society. The Committee of the Benevolent Fund wish me to thank you for the space you have devoted to our Convalescent Home, and to assure all pharmacists that if and when they are in need of a convalescent holiday Birdsgrove House will be very happy to receive them.

E. A. BROCKLEHURST,  
(Chairman, Benevolent Fund Committee  
Pharmaceutical Society.)

London, W.C.1.

## OVERSEAS TRADE NEWS

**France Lifts Price Controls.**—The French Price Administration has decided to lift price control on perfumery of less than 5 per cent. alcohol content.

**New Mercury Deposit in Spain?**—Mercury is reported to have been discovered in considerable quantities near the foot of the Tibidabo hill on the outskirts of Barcelona. Technicians of the Almaden mines are examining the site.

**Canada's Imports of Medicines.**—Canadian receipts of drugs and medicines during the period January to July were valued (in thousands of dollars) at 7,814, a considerable increase on the total of 5,906 in the similar period in 1946. The corresponding total for 1938 was 2,178.

**Dutch-Spanish Trade Agreement.**—The existing commercial agreement between Holland and Spain has been renewed for another year. Under the new agreement, Spanish imports from Holland will include chemicals, pharmaceutical products and dyestuffs.

**Belgian Foreign Trade.**—In the first six months of 1947 Belgo-Luxembourg imported chemical and pharmaceutical products valued at 1,503,175,000 Belgian francs against 999,280,000 francs in the comparable period of 1946. Corresponding export totals were 2,494,966,000 francs and 811,362,000 francs.

**Greek Olive Oil Export Price.**—The Greek Ministry of National Economy is negotiating with olive oil producers and exporters and intends to fix a minimum export price of \$1,200 per ton. The Ministry is now considering applications for export licences but American companies who have been seeking 10,000 tons of edible olive oil have not yet been able to place orders because the prices offered are considered by the producers to be inadequate.

**Madagascar Essential Oils.**—Production of essential oils in Madagascar has declined over the past two seasons because of unfavourable weather conditions and labour shortages. In 1946 total output of ylang ylang amounted to 5,600 kilos, compared with 7,200 kilos in 1945 and 7,965 kilos in 1944; palmarosa to 500 kilos (against 1,000 and 1,880 kilos respectively in the earlier years); lemongrass to 3,400 kilos (5,500 and 7,010), pepper to 44,000 kilos (53,000 and 58,380), and other essential oils 850 kilos (450 and 302 kilos).

**U.S. Industry and the Tariff Cuts.**—U.S. tariff cuts on coal tar products, pigments, acids, heavy chemicals and alcohols, agreed upon at the Geneva conference, may make it difficult for American producers to compete with foreign-made chemicals when the industry enters a sellers' market and European production reaches its potential. Tariff cuts for perfumes and essential oils are not expected to have any immediate effect on the U.S. market although, from the long-term point of view, foreign producers will be placed in a more advantageous position.

**Penicillin Production in Japan.**—Production of penicillin in Japan has been stepped up considerably since the end of the war but is still well below the future production goal of 100,000 mega units. Output from July 1946 to August 1947 was 1,543,110,000 units. There are at present seventy-two penicillin-producing companies in Japan, affiliated to the Nippon Penicillin Association, of which nineteen have already put their products on sale. None of the companies specialise in this industry, but undertake it as a side line of the pharmaceutical, chemical or brewery industries. The official price of 385 yen per container of 30,000 units of penicillin does not pay expenses, because of low-production technique, which in Japan is based on bottle culture.

**Pharmaceutical Industry in Poland.**—The Polish pharmaceutical industry is owned and directed by the State, the co-operative movement and private enterprises. The bulk of the work is executed by eleven State-owned factories, the largest of which are Ludwik Spies & Son, Tarchemin, near Warsaw, an important pre-war concern which was nationalised after the liberation of Poland, and Mgr. Klawe, Warsaw, also a pre-war nationalised concern. There is a large factory in Warsaw established by the co-operative society Unia and a factory in Poznan of a similar type, "The Pharmaceutical Co-operative Society of Poznan." A co-operative concern, Spolem, has undertaken the purchase and the storing of medicinal herbs. There also exist seventy small factories which are privately owned. All these producers are capable of satisfying only 20 per cent. of the demand; the gap is to be filled by imports. The Polish Ministry of Health recently purchased foreign medicines to the value of U.S. \$5,500,000.



## BUSINESS QUERIES AND ANSWERS

Subscribers are invited to address inquiries to the Editor on problems of management accounts, stock-keeping, taxation. To ensure that no information of a confidential nature is disclosed to a competitor, replies will be given under initials or a pseudonym. If it is necessary to forward documents, copies only and not originals should be sent.

### Share Applications

"We have recently converted this business into a limited company, and the application forms are now coming in from persons wishing to take up shares, enclosing cheques representing the amounts due on application. Can you advise on the method of entering up the cash received, and indicate the customary method of dealing

holders' accounts kept in the share ledger cash received being posted to the ledger from the cash book.

### Application Account

Share applications are usually dealt with as follows:—The total of the amounts payable due on application is credited to the share capital account and debited to an application account. The total cash received from applicants is then transferred from the debit side of the cash book to the credit side of the application account which, in the event of oversubscription, will have to be adjusted. The amount representing cash paid in excess of application money must be debited to the application account and credited to the allotment account. A specimen application account is shown.

#### 4 per cent. Cumulative Preference Shares

##### Application Account

Dr.	£	1947	Cr.	£
1947		1947		
Jan. 4 To share capital account	6,250	Jan. 14 By cash	7,625	
(being total amount due on application)		(being total amount received from applicants)		
Jan. 21 To cash	1,000			
(being total amount returned with letters of regret)				
Jan. 21 To allotment account	375			
(being total amount over subscribed on application)				
	<u>£7,625</u>			<u>£7,625</u>

with the allotments? If you could show specimen application and allotment accounts and a typical shareholder's account we should find these very useful.—W. N."

Cash received as share applications is usually recorded in the cash book from lists supplied by the bankers or agents, although the entries can be made from the application forms. When the applications have reached a certain amount, the shares can be allotted to the applicants whom the directors consider desirable. Details of share capital should be kept in share books, and the private ledger should contain accounts summarising the entries in the share ledger. The amounts due on application should be entered in an application book and posted to the share-

### Share Allotments

Letters of allotment should be sent to individuals chosen as shareholders, with a request that the sum due on allotment be remitted. Allotment entries are usually made in the following sequence. The total

#### Allotment Account

Dr.	£	1947	Cr.	£
1947		1947		
Jan. 21 To share capital account	6,250	Jan. 21 By application account	375	
(being total amount due on allotment)		(being total amount over subscribed on application)		
Jan. 21 To call account	625	Jan. 21 By cash	6,500	
(being total amount over subscribed on allotment)		(being total amount received on allotment)		
	<u>£6,875</u>			<u>£6,875</u>

#### Call Account

Dr.	£	1947	Cr.	£
		1947		
		Jan. 21 By allotment account	625	
		(being total amount over subscribed on allotment)		





## TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

### 28 Essex Street, W.C.2, Dec. 3

With the approach of the turn of the year the volume of home trade business is showing the usual downward trend in the PHARMACEUTICAL and FINE CHEMICAL markets. Prices are unchanged but there is every indication that the markets will continue firm for some time to come. British makers of QUININE SALTS state that supplies are improving and that reasonable quantities are now available. Imports of quinine and its salts during October fell to 133,436 oz., which was rather lower than the monthly average for 1938; in the ten months ended October 31, 1,848,272 oz. was imported compared with 1,337,167 in the corresponding period of 1938. It is understood that distribution of supplies of VANILLIN are to continue on a quota basis; demand is very heavy for this product.

### Crude Drugs

The outstanding feature of the past fortnight has been the demand for CASCARA SAGRADA and considerable quantities have been bought. Little 1946 peel is now being offered and higher prices are asked for 1947 crop. ALOES are steady on spot but Cape for shipment is tending easier, a parcel afloat is quoted at 155s., c.i.f. Little inquiry is received for Indian ACONITE; Italian root at origin is offered at figures much above buyers' ideas of value. CAMPHOR has received some inquiry and a fair business has been in tablets and powder. CANTHARIDES, Chinese, has been an easier market as new arrivals have come forward. The price of Mombasa CHILLIES continues to fall. Lower prices are given for Indian HENNA; the Egyptian is steady at 135s. per cwt. IPECACUANHA remains firm. There are no supplies of KAMALA on the spot. Block LIQUORICE JUICE is attracting buyers and supplies are not plentiful; prices are fully maintained on spot and the market is inclined to strengthen. Florentine ORRIS is firm on spot with Italian shippers' prices in the region of 180s. to 185s. per cwt., f.o.b. STROPHANTHUS is scarce, resellers are asking 12s. 6d. per lb.; it is understood, however, that further parcels should be available shortly. TRAGACANTH is an easier market. MENTHOL is fairly steady; the volume of imports in October, at a total of 55,780 lb., was a record for the year; accumulated shipments had been held up in Rio because of freight shortage.

### Essential and Expressed Oils

Business has been on a small scale during the last few days. Price movements have been few and the majority of ESSENTIAL OILS are fairly steady. Rather lower quotations are made for CINNAMON B.P.

and CINNAMON LEAF, but LIME OIL is firm on spot. Supplies of PALMAROSA and PATCHOULI are rather low and little English-distilled SANDALWOOD is available.

The Minister of Food announces that changes will be made in the prices of refined oils and fats and technical animal fats allocated to primary wholesalers and large trade users during the four weeks ending December 27.

### U.S. Drug and Chemical Reports

New York, November 2

EXPORTS of chemicals from the United States in August amounted to a total 140,000 metric tons, about 23 per cent higher than in the corresponding month of 1946. The value of August exports, \$2,493,000, was lower than for any month since January. Exporters state that few inquiries are coming from overseas at the present time because foreign buyers are awaiting the outcome of the Marshall plan and because of the dollar shortage. The announcement of a further five cents per lb. increase in GLYCERIN schedules by one refiner has not been followed so far by the rest of the trade. Major refiners say there is enough refined material in the country to meet domestic requirements although granting of substantial export quotas would aggravate the position.

Production of synthetic MENTHOL from CITRONELLA OIL is to be resumed; manufacturing operations have been at a standstill since the war. The synthetic material was cheaper than the natural in pre-war days, but as yet there is no indication of the price manufacturers will ask. Meanwhile, 63 tons of Brazilian menthol are said to be on their way to a U.S. port. MERCURY has been sold at \$79 per flask compared with a minimum of \$81 a week ago. The decline is attributed to very heavy stocks in the country, estimated at 200,000 flasks, and the fact that Spain, Italy, Mexico, Jugo-Slavia and Japan are hoping to export quantities to the U.S.

Importers and dealers are looking forward to a gradual improvement in the CRUDE DRUGS markets, with the arrival of the colder weather. Such items as CASCARA SAGRADA, SENEGA, IPECACUANHA, SAPARILLA, PSYLLIUM and BELLADONNA LEAVES all continue in tight supply. The price of CASTOR BEANS has been reduced \$13 per metric ton to \$172-\$174, f.o.b. port Northern Brazil. The better inquiry for ESSENTIAL OILS noted recently is understood to have continued last week and buyers have been showing a tendency to stock up materials against anticipated price advances. MINT OILS are in a strong position in the market.

## Pharmaceutical Chemicals

**ASPIRIN.**—Makers' prices per lb., for (containers in brackets), are un-  
anged; 28 lb. and under 1 cwt., 4s. 4½d.  
lb.), 4s. 3½d. (2-lb.), 4s. 3d. (4-lb.).  
2d. (7-lb.), 4s. 1½d. (14-lb.), 4s. 0½d.  
-lb.). Net one month.

**BARBITONE.**—Quotations range from 45s.  
50s. per lb., according to quantity.  
SOLUBLE is available at the same prices.

**BISMUTH SALTS.**—Makers' prices per lb.  
1-cwt. lots are as follows: CARBONATE,  
10d.; CITRATE, 12s. 6d.; SUBNITRATE,  
1 SALICYLATE, 12s. 9d.; SUBGALLATE,  
9d.

**BORIC ACID.**—Current rates for ton lots  
B.P. quality are: Granulated, £60;  
stal, £61; powder, £62. Commercial  
des, £8 per ton less. Packed in 1 cwt.  
es, delivered carriage paid in Great  
Britain, in 1-ton lots and upwards. Terms  
noted do not apply to Northern Ireland.

**BROMIDES.**—Current rates per lb. for  
POTASSIUM, in quantities of 28 lb. to 1 cwt.  
containers in brackets), are as follows:  
5½d. (1-lb.), 3s. 4½d. (2-lb.), 3s. 4d.  
lb.), 3s. 3d. (7-lb.), 3s. 2½d. (14-lb.),  
1½d. (28-lb.). In bulk, 1 cwt. is quoted  
2s. 7d. per lb. and 5 cwt. at 2s. 6d.  
powder is 2d. per lb. extra. SODIUM is 1½d.  
lb. less than above rates; AMMONIUM  
½d. per lb. more than above rates. Terms  
net; carriage paid on 1-cwt. lots in U.K.  
ices and conditions apply to trade in Eire  
usual carriage paid terms, duty and  
marine war risk insurance for buyer's  
count.

**GUAIACOLS.**—Liquid is quoted at 14s. 6d.  
16s. per lb.; crystal and carbonate, 14s.  
15s. per lb., according to quantity.

**HEXAMINE.**—B.P. is quoted at from  
8d. to 2s. per lb., as to quantity.

**HEXYL RESORCINOL.**—Quotations are  
ound 17s. 6d. per oz.

**HORMONES.**—PROGESTERONE, B.P., is  
oted at 150s. per gm. and OESTRONE, B.P.,  
£21 per gm.

**HYDROCYANIC ACID.**—B.P.C. (Scheele's)  
quoted at 1s. 5½d. per lb. and B.P. at  
1½d. per lb.

**HYOSCINE HYDROBROMIDE.**—Makers' quo-  
tions are from 147s. 6d. to 150s. per oz.,  
according to quantity.

**HYPOPHOSPHITES.**—Makers' rates per lb.  
r 7-lb. lots are: AMMONIUM, 9s. 3d.;  
ARIUM, 6s. 3d.; CALCIUM, 4s. 11d.; IRON,  
1 4d.; MAGNESIUM, 7s. 9d.; MANGANESE,  
1 5d.; POTASSIUM, 6s. 1d.; SODIUM, 5s. 7d.  
YPOPHOSPHOROUS ACID, in quantities of 6  
inchester quarts, is 6s. 2d. per lb.

**HOMATROPINE.**—Makers' prices per oz.  
e as follows (prices per gm. in brackets):  
ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.;  
5 oz., 87s. 6d. (4s.). HYDROCHLORIDE,  
HYDROBROMIDE and SULPHATE.—1 oz., 75s.;  
oz., 70s.; 16 oz., 65s. (3s. 2d.).

**ICHTHAMMOL.**—B.P. material is quoted  
in bulk at 4s. 3d. per lb.; 28-lb. tins are  
priced at 4s. 9d., 14-lb. at 5s. and 1-lb. at  
5s. 10d. per lb.

**MANDELIC ACID.**—Current prices per lb.  
are: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.;  
7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

**MERCURY SALTS.**—Makers' prices are as  
follows: AMMONIUM CHLORIDE, B.P., pow-  
der, 9s. 5d.; lump, 9s. 3d. BICHLORIDE,  
B.P., powder, 8s. 1d.; lump or granular,  
8s. 8d. MERCUROUS CHLORIDE, B.P., 9s. 4d.  
RED OXIDE, B.P.C., 10s. YELLOW OXIDE,  
B.P., 10s. 7-lb. lots are 6d. per lb. less  
than above prices.

**METHYL SALICYLATE.**—Current rates are  
as follows: Winchester quarts, 2s. 2½d. per  
lb.: 56 lb., in demijohns, 2s. 1d.; 1 cwt., in  
demijohns or carboys, 2s. 0½d.; 5 cwt., 2s.  
All prices are net.

**NIKETHAMIDE, B.P.**—Current quota-  
tions are at 150s. per lb.

**PANCREATIN.**—Price of B.P. material is  
from 13s. 6d. upwards, as to quantity.

**PARALDEHYDE.**—Rates for B.P. material  
are as follows: 5 carboys, 1s. 5d. per lb.;  
1 carboy, 1s. 6d.; 24 Winchester quarts,  
1s. 7½d.; 17, 1s. 8½d.; 6, 1s. 10d.; 3, 1s. 11d.  
per lb.

**PHENOBARBITONE.**—Quotations for the  
ACID and the SODIUM SALT are from 37s. 6d.  
to 40s. per lb., as to quantity.

**PHENOL.**—Maximum price for crystals in  
the home market is 11d. per lb., in 1-ton  
lots, packed in drums (returnable), deliv-  
ered.

**STRYCHNINE.**—Makers' current rates per  
oz. are as follows:—

Compound	Under 25 oz.	25 oz. and under 100 oz.	100 oz. and under 500 oz.
Alkaloid ...	s. d. 6 2	s. d. 6 0	s. d. 5 10½
Bisulphate ...	5 4	5 2	5 0½
Hydrochloride ...	5 11	5 9	5 7½
Hypophosphite ...	9 8	9 6	9 4½
Nitrate ...	5 11	5 9	5 7½
Sulphate ... (neutral pow- der No. 2)	4 11	4 9	4 7½
Sulphate ... (neutral crys- tal and pow- der)	5 6	5 4	5 2½

**SULPHACETAMIDE.**—BASE and SOLUBLE  
are priced at 65s. per lb.

**SULPHANILAMIDE.**—Quotations are from  
6s. to 7s. per lb., according to quantity and  
pack.

**SULPHANILIC ACID, B.P.C.**—Current  
quotations are around 6s. per lb.

**TANNIC ACID.**—B.P. levis, ex ether, is  
from 10s. 6d. per lb., according to quantity.

**TEREBENE.**—Rates per lb. are as follows:  
Carboys, 3s. 9d.; 24 Winchester quarts,  
3s. 1½d.; 12, 4s. 1½d.; 6, 4s. 5d.



## Crude Drugs

**ACONITE.**—Indian root is quoted at from 375s. to 380s. per cwt., according to holder.

**ALOES.**—Cape is steady at 165s., spot; shipment, 135s., c.i.f. Curaçao in boxes is priced at 235s. to 245s., spot; forward, 215s. to 220s., c.i.f. Socotrine is available at from 156s. to 190s. per cwt.

**ANISE (STAR).**—Steady with quotations from 120s. to 130s. per cwt.; shipment, 110s., c.i.f.

**ANTIMONY.**—Current rates are as follows: 99.6 per cent., regulus, £190 per ton delivered; 99 per cent., £180; 70 per cent. crude, £150.

**BAY LEAVES.**—Leaves without stems 95s. to 105s. per cwt., duty paid, quoted.

**BENZON.**—Quotations are from £15 to £18 per cwt., according to quality.

**BISMUTH.**—Current price of high-grade metal is 11s. per lb. for quantities of 5 cwt.

**CAMPHOR.**—A fair business has been done with prices unchanged. Chinese tablets ( $\frac{1}{4}$ -oz.) are quoted at 11s. 6d. to 11s. 9d. per lb.; refined powder (B.P.), 10s. 3d. to 10s. 6d., Formosa (B.B.), 9s. 6d. to 10s.;  $2\frac{1}{2}$ -lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid. Chinese crude 93-95 per cent., 7s. per lb.

**CANTHARIDES.**—Spot quotations for Chinese are 11s. 6d., duty paid; afloat, 8s., c.i.f.; for shipment, 6s. 6d. c.i.f.

**CAPSICUMS.**—East African, spot, steady at 120s. to 140s. per cwt., according to quality.

**CARDAMOMS.**—Mangalore: Half-bleached, A's, are quoted at 8s. 6d.; B's, 8s.; seeds, 7s. (nominal), spot. Aleppy seeds No. 1, offered at 7s. 9d.; Aleppy greens, 6s. 9d. per lb., spot.

**CASCARA SAGRADA.**—1946 peel on spot is quoted at prices from about 270s. to 279s. per cwt., with few offers; 1947 is available at from 255s., with prices rising.

**CHAULMOOGRA.**—*Hydnocarpus*, in tins in cases, is quoted at 1s. 10d. per lb., spot.

**CHILLIES.**—Mombasa is quoted at 135s. per cwt., spot. Sierra Leone, 140s., nominal. Nigerian, 125s., spot; Japanese-type, 190s.

**CINNAMON.**—Steady. 0000 quill is quoted at 3s. 9d., spot; quillings, 1s. 10d.; featherings, 1s. 6d.; chips, 10d. per lb.

**CLOVES.**—Quiet. Zanzibar, quoted at 10d. spot; Penang at 3s. 6d. per lb.

**COCHINEAL.**—Silver greys, quoted at 4s. 3d. to 4s. 6d. per lb., spot; blacks, 5s.

**ELEMI.**—Manila No. 1 material, afloat, is quoted at 2s. 3d. per lb., landed.

**ERGOT.**—Spot is steady at 4s. 6d. per lb.; for shipment, 4s., c.i.f.

**EUPHORBUM.**—Spot quotations are from 85s. to 90s. per cwt.

**GAMBOGE.**—Siam pipe is offered at £55 per cwt., duty paid, ex warehouse.

**GENTIAN.**—French natural root on the spot, 95s., quoted; cut, 115s. per cwt.

**GINGER.**—Jamaica No. 1 is offered at 115s. to 120s. per cwt., spot; No. 2, 100s. No. 3, 95s. Sierra Leone is available at 67s. 6d. per cwt.

**GUAIACUM RESIN.**—Quotations for lump are from 2s. 9d. to 3s. per lb., spot.

**GUM ACACIA.**—Kordofan cleaned sort quoted at 72s. 6d. per cwt., London & Liverpool; shipment, 69s. 6d., c.i.f. Bleached No. 1, 145s., ex store. Talha, 42s. 6d. per cwt., spot; 38s. 6d., c.i.f.

**HENNA.**—Egyptian is offered at 135s. per cwt., ex warehouse. Indian is quoted at 125s. per cwt., spot.

**HONEY.**—Agreed rates per cwt. for Australian or Jamaican honey, for manufacturing purposes, are as follows: 1 original packings (56-60 lb. tins for Australian or  $3\frac{1}{2}$ -cwt. barrels for Jamaican), for quantities of 10 cwt. or more, 96s.; less than 10 cwt., 105s., net, carriage paid. Refined repacked honey is available at the following rates per cwt.: In 7-14-lb. tin 145s.; 28-lb. tins, 130s.; 56-lb. tins, 120s. carriage paid, subject to wholesale discount of 8 $\frac{1}{2}$  per cent.

**IPECACUANHA.**—Nicaraguan on spot; firm at 28s. to 30s. per lb., according to seller; shipment, 26s. 6d., c.i.f. Colombia root, 28s., spot; shipment, 26s. 6d., c.i.f.

**IRISH MOSS.**—French finest-quality bleached, quoted at 120s. per cwt., spot No. 1, 105s.; No. 2, 95s. per cwt.

**JALAP.**—Vera Cruz, spot, offered at prices from 3s. 5d. to 4s. per lb., according to test.

**JUNIPER.**—Italian berries, quoted at from 55s. to 60s. per cwt., duty paid, according to seller.

**LIQUORICE ROOT.**—Anatolian natural root is firm at 55s. per cwt., spot; Syrian root 50s. to 55s. Turkish juice (block) offered at from 240s. to 250s. per cwt. duty paid; shipment, 225s., c.i.f. Turkish stick (2-oz.) is offered at £455 10s. per ton spot. Italian stick (1-oz. and 2-oz.) available on the spot at prices from £45 to £535 per ton, according to quantity and brand.

**MENTHOL.**—Brazilian is offered at about 50s. per lb., duty paid.

**ORRIS.**—Florentine is available at 185 to 195s. per cwt., according to quality. Verona is quoted at 75s., spot.

**PSYLLIUM SEED.**—French black is offered at 2s. 3d. per lb., duty paid; no Isphagul is available, shippers are asking 135s. per cwt., c.i.f. U.K.

**RHUBARB.**—A very good demand is reported from home buyers; prices are unchanged with Chinese rough-round on the spot offered at from 5s. to 7s. per lb. according to quality; afloat, 5s. 3d. to 5s. 6d., duty paid.

ANDARAC.—The market is firmer with quotations at 6s. 1d. per lb.

SEEDS.—Small business has been reported during the past week with prices more or less unchanged. ANISE.—Cyprus is offered at 10s. 10d. per lb.; Turkish, 1s. 9d. per lb., duty paid, spot London or Liverpool.

CAY.—Dutch on spot offered at 1s. per lb. duty paid, ex wharf London. CELERY.—Indian quoted at 1s. 3d. per lb., spot Liverpool. CORIANDER.—Market unchanged.

MOCCO old-crop offered at 52s. 6d. per cwt. duty paid; Argentine, now landing, 52s. per cwt., duty paid, and for December shipment, 52s. 6d. per cwt., landed, duty paid; English is nominal at 75s. per cwt.

CIN.—The market has been quiet. Indian is offered at 225s. per cwt., spot London or Liverpool; Cyprus, 222s. 6d. per cwt., spot London. DILL.—Indian quoted at 45s. per cwt., spot London, and 42s. 6d. per cwt., spot Liverpool. FENNEL.—Indian offered at 72s. 6d. per cwt., spot Liverpool. FENUGREEK.—Indian is 47s. 6d. per cwt., spot London, and 45s. per cwt., spot Liverpool.

ENEGA.—Spot is quoted at 12s. to 16d. per lb.; shipment, 11s. 9d., c.i.f.

ENNA.—Tinnevely leaves, on the spot, offered as follows: No. 1, 1s. to 1s. 2d. per lb.; No. 2, 9d. to 9½d.; No. 3, 8d.; No. 4, 7d.; Tinnevely pods, handpicked, 10d. to 1¼d.; manufacturing, 5½d. to 6d. Alexandrian pods, handpicked, spot, from 49d. to 5s. 9d., according to quality; gum, 2s. 9d.; manufacturing, 1s. 9d. to 2s. per lb. Alexandrian leaves, 1s. 2d. per lb. quoted for f.a.q.

HELLAC.—Spot quotations, ex warehouse London, are as follows: F.O.T.N., pure, 31s.; Standard No. 1, 315s.; fine orange, 31s. to 390s. per cwt.

TRAMONIUM.—Hungarian, on the spot, is offered at 115s. per cwt.

FRAGACANTH.—Selected white ribbon quoted at prices from £128 to £132 per cwt.; other white grades, from £65 to £110. Fatty leaf is quoted at £36 to £56; amber, £26 to £36; red, £13 to £18; hogg, £8 to £11 per cwt.

URMERIC.—Madras finger is quoted at 1s. 6d. to 110s. per cwt., spot Liverpool London.

WAXES.—There is no Dar-es-Salaam wax on spot; shipment, 355s., c.i.f. nominal. Benguela is offered at 357s. 6d., duty paid; shipment, 310s., c.i.f. CANDELILLA.—Spot quotation is 415s. per cwt.; shipment, 390s., c.i.f. CARNAUBA.—Fatty grey steady at 550s. per cwt., spot; afloat, 55s., c.i.f.; shipment, 445s., c.i.f. Prime wax is quoted at 820s., spot; shipment, 78s., c.i.f., nominal. MONTAN.—Steady; Beck, 390s. per cwt., spot; Czechoslovak cide, 325s., spot. OURICURI.—Spot, 8.8 per cent., 375s. per cwt. Shipment, 1 per cent., 400s., c.i.f.; 2 per cent., 385s., c.i.f.; 3 per cent, 365s., c.i.f.

## Essential and Expressed Oils

ALMOND.—B.P. (sweet) is quoted at from 10s. 6d. to 12s. 6d. per lb. Bitter oil (s.a.p.) is quoted at 55s. per lb.

CINNAMON.—Ceylon bark oil is quoted from 10s. to 12s. 6d. per oz., according to quantity; English-distilled, from 24s. to 40s. per oz.; B.P. oil is at 75s. to 85s. per lb. Leaf oil, spot, from 8s. 6d. to 10s. 6d. per lb.

CITRONELLA.—Ceylon, spot, is quoted at about 4s. to 7s. per lb., according to quantity; Java, forward, quoted at from 9s., c.i.f.

LIME.—West-Indian distilled oil continues firmer with prices at from 28s. 6d. to 32s. per lb.

THYME.—Red oil (40-42 per cent. phenols), 13s. 6d. to 16s. per lb.; white oil, 17s. to 18s. 6d. per lb., spot.

## D.M.S. TRANSFERRED

THE Ministry of Health took over on December 1 from the Ministry of Supply the responsibility for purchasing Government requirements of drugs, dressings, and medical and surgical equipment, and for sponsorship of firms producing such supplies for civil needs. The change involves the transfer to the Ministry of Health of the functions, responsibilities and staff of the Directorate of Medical Supplies, including those of the Penicillin Production Control and the related contracts branch of the Ministry of Supply. Correspondence which would formerly have been addressed to the Directorate of Medical Supplies should now be addressed to the Secretary, Ministry of Health, Whitehall, London, S.W.1 (Telephone: Abbey 7788). Regional Controllers of the Ministry of Supply are continuing temporarily to deal, on behalf of the Ministry of Health, with matters normally considered at regional offices. Government requirements of scientific glassware (furnace-blown, pressed and lamp-blown), laboratory glass and equipment, laboratory porcelain and liquid-in-glass thermometers (except clinical thermometers) are to be purchased by the Ministry of Health, but the function of sponsorship of firms manufacturing such products is to be exercised by the Director of Instrument Production, Ministry of Supply, 18 Hyde Park Gate, London, W.2 (Telephone: Ambassador 1290). The transfer, which results from the Government policy of handing over various wartime functions of the Ministry of Supply to appropriate Government Departments, was effected by the Transfer of Functions (Medical Supplies) Order, 1947 (S.R. & O., 1947, No. 2472).



## TRADE MARKS

(From "The Trade Marks Journal," November 5).

- "LOREX"; for chemical substances for use in the manufacture of shampoos, of foam baths and of detergents (1). By Louis Maurice & Co., Ltd., Lower Road, London, N.7. 644,658.
- "FIXTRAN"; for chemical products for impregnating wood, textile and other substances, for preservation against fungi, bacteria, etc. (1). By Ward, Blenkinsop & Co., Ltd., Brooklands, Wood Road, Halewood, Liverpool. 649,633.
- "POLYTRON"; for chemical products used in photography (1). By Robert Moller and Margaret Linda Moller, 100 Castelnau, London, S.W.13. 650,185 (Associated).
- "FERIA"; for chemical preparations for preserving foodstuffs (1). By Ferie Fabriek van Chemische Producten, W.A., Scholtenstraat 26, Groningen, Holland. B650,508.
- "KATHRO" "DASTAR" "SKLIRO"; for chemical products used in industry (1). By Croda, Ltd., Croda Works, Rawcliffe Bridge, Goole, Yorkshire. 652,137, 652,139 and 652,140.
- "EXTRA DRY DANA" in distinctive lettering (words "Extra Dry" disclaimed); for perfumes, face powder, lipstick, toilet creams (not medicated) and toilet lotions (not medicated) (3). By Financiera de Perfumeria S.A., Avenida A20, Panama City, Panama. 649,127 (Associated).
- "DRAMA"; for non-medicated toilet preparations, cosmetics, toilet preparations for the teeth and artificial dentures, non-medicated mouth-washes, toilet preparations for the hair, perfumes, perfume sachets, soaps, toilet essences and toilet articles included in this Class (3). By Elizabeth Arden, Ltd., 76 Grosvenor Street and 25 Old Bond Street, London, W.1. B649,793.
- "DAWNDEW"; for bleaching preparations for laundry or domestic use, and cleaning and polishing preparations (3). By A. Ibbetson & Co., Ltd., Ib-co Works, Great North Road, Stevenage, Herts. 650,310 (Associated).
- "AIRBORNE"; for toilet preparations (not medicated), cosmetics, perfumes and perfumed soap (3). By The Abietan Manufacturing Co., Ltd., Concordia Works, Carmichael Road, London, S.E.25. B650,349.
- "CAMILATONE KREEMOLLIENT" in distinctive lettering (word "Kreemollient" disclaimed); for tonic hair-cream (3). By Camilatone, Ltd., 76a High Street, Cleator Moor, Cumberland. 650,415 (Associated).
- "POLASTIC"; for cleaning and polishing preparations (3). By Blyth & Platt, Ltd., Solar Works, Greatham Road, Watford, Herts. 650,566.
- "SILFOAM"; for non-saponaceous washing powder (3). By William Emmanuel Mathild Lucien Marynissen, 21 Spencer Road, Chiswick, London, W.4. 651,022.
- "DOLPNOS"; for cleaning and bleaching preparations for all laundry or domestic purposes (3). By J. Evershed & Son, Ltd., 81 Eastern Road, Brighton, 7. 651,282 (Associated).
- "NOVUTUBES"; for chemical substances prepared for use in medicine and pharmacy (5). By Pharmaceutical Manufacturing Co., Ltd., The Laboratories, Pittville Circus Road, Cheltenham, Glos. 648,719 (Associated).
- "SALDO"; for perfumes, toilet preparations (no medicated), cosmetics, dentifrices, depilatories toilet articles (not included in other Classes) sachets for hair waving, soaps and essential oil (3). By Geoffrey Charles Jefferson, 79 Midland Road, Rotherham, Yorks. 651,390.
- "TRAVLETES"; for detergent preparations for toilet and laundry use (3). By The L.A.C. Manufacturing Co., Ltd., Chelmsford Road Mountnessing, Essex. 651,400.
- "SANOLVENT"; for lavatory cleaning preparation (3). By British Industrial Holdings, Ltd., Queen Victoria Street, London, E.C.4. 651,731.
- "SATIS"; for chemical pads for use in hair waving (3). By Satis Products Co., 134 By-pass, Ewell Surrey. 651,807.
- "TYRODERM"; for pharmaceutical preparations for skin treatment (5). By Sharp & Dohme, Ltd., 4 Brocket Road, Hoddesdon, Herts. 645,241.
- "OSTOCALCIUM"; for pharmaceutical preparations and substances, all containing calcium and al for export (5). By Glaxo Laboratories, Ltd., Greenford, Middlesex. B647,470 (Associated).
- "LITOLAX"; for laxatives (5). By Imperial Pharmaceuticals (Proprietary), Ltd., Standard Bank Chambers, Corner of Main and Mint Roads, Fordsburg, Johannesburg, S. Africa. 647,728.
- "CHAREL"; for chemical substances prepared for internal use in medicine and pharmacy (5). By Jacques Marcilhacy, 20 Faubourg Poissonnière, Paris 10, France. 648,512.
- "ANTYEMOSTIK"; for pharmaceutical preparations for external use, and insecticides (5). By John Tye & Son, Ltd., 457 Caledonian Road, London, N.7. 649,677.
- "BARBAMON"; for pharmaceutical preparations and infants' and invalids' foods (5). By Aktien Gesellschaft Hommel's Haematogen, Josephstrasse 20, Zurich 5, Switzerland. 649,786 (Associated).
- "GLUCO-SETS"; for medicated confectionery containing glucose (5). By Cecil Fred Harcombe Cooper, 59 Bardon Chambers, Infirmary Street, Leeds, Yorks. B650,000 (Associated).
- "MAGIC LANTERN"; for medicated preparations for treating coughs, colds and influenza; and medicated ointments (5). By Harold Lomax, Ltd., 1 Derby Building, Wavertree Road, Edge Hill, Liverpool. 650,469.
- "LIMBONE"; for pharmaceutical preparations and substances (5). By Collins Cash Chemist, Ltd., 74 High Street, Caterham, Surrey. B650,539.
- "STAR TOILET ROLL" superimposed on device of stars; for toilet paper (medicated) (5); for toilet paper (not medicated) (16). By Superior Papers, Ltd., Bridge Works, Iver Lane, Cowley, Middlesex. 650,424 and 650,162 (Associated).
- "SKOPYL"; for pharmaceutical products (5). By Aktiebolaget Pharmacia, Lovholmavägen 5, Stockholm, 9, Sweden. 650,711.
- "GLYTONIC"; for pharmaceutical tonic preparations (5). By Cupal, Ltd., Phenix Mill, King Street Bridge, Blackburn, Lancs. 651,320.
- "KONSYL"; for pharmaceutical preparations for the prevention of constipation (5). By Burton, Parsons & Co., 1515 U Street North-west, Washington, Columbia, U.S.A. 652,170.



# TWO COUGH SYRUPS

of outstanding merit. Order early



## WILD CHERRY PECTORAL

FOR ADULTS AND CHILDREN

4 oz. . . . 6/6 Per Doz.  
6 oz. . . . 8/9 " "

## COMPOUND BLACKCURRANT & IPECAC

FOR ALL CHILDREN

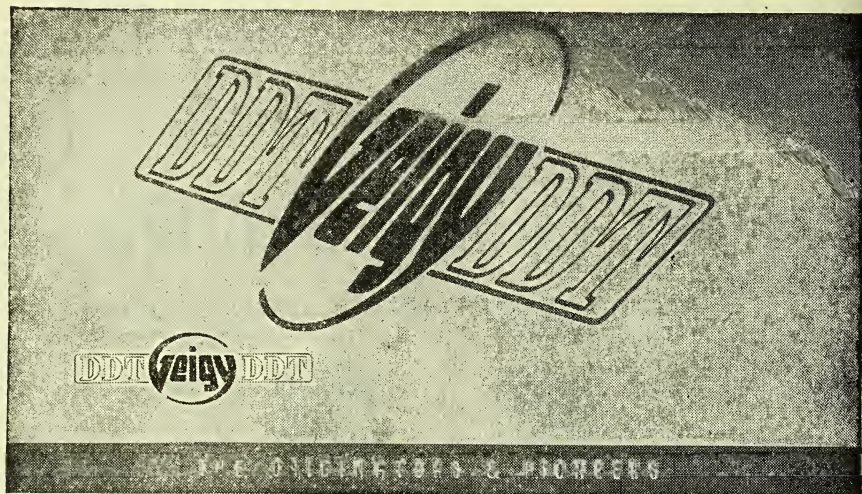
4 oz. . . . 7/3 Per Doz.,  
8 oz. . . . 9/9 " "

PLUS PURCHASE TAX

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Established 1741 & COMPANY LIMITED LONDON E 6





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STAFFORD ALLEN & SON LTD 20 WHARF ROAD LONDON N1  
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QUALITY ALWAYS

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**CRESYLIC ACIDS**

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**XYLENOL MIXTURES**

*All prepared and standardised under direct personal control*

**R. GRAESSER LTD.**

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5 Lines

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**PARATHYROID POWDER**

**PROGESTERONE**

**DIGITALIN CRYST.**

**TRAGACANTH**

**POWDER OUR "SOJ" BRANDS**

ARE ESPECIALLY GRADED FOR ALL USERS  
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WE ALSO STOCK KARAYA AND ACACIA POWDER

*Samples and Prices on Application*

**SALEM (Pulverised Tragacanth) LTD.**

50, MOORGATE, LONDON, E.C.2

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## FINE CHEMICALS

### OPIUM DERIVATIVES

ALOID, ATROPINE, BISMUTH SALTS, CANTHARIDIN, CAPSICIN, CHLORAL HYDRATE, CHLOROFORM, CODEINE, COTARNINE, CRYPTOPINE, DIACETYLMORPHINE, EPHEDRINE, ERGOTIN, ETHYLMORPHINE, ETHYLNARCEINE, GINGERIN, GNOSCOPEIN, HOMATROPINE, HYDROCOTARNINE, HYOSCYAMINE, IRIDIN, JALAP RESIN, LEPTANDRIN, MAGNESIUM TRISILICATE, MECONIC ACID, MORPHINE, NARCEINE, NARCOTINE, OPIANIC ACID, PAPAVERINE, PHYSOSTIGMINE, PODOPHYLLIN, SALICIN, SANTONIN, SCAMMONY RESIN, STRYCHNINE, THEBAINE

*Some of our  
Latest Products...*

*and all Pharmaceutical Chemicals  
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DIHYDROCODEINONE  
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*and their Salts*



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# Favella *brand* LICORICE STICKS

Shipments  
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Your WHOLESALER  
can now make  
PROMPT DELIVERIES  
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FROM OUR OWN GROWERS *Alexandrian & Tinnevely  
Pods, Leaves, Siftings*  
John Ronaldson & Co. Ltd., Universal House, South-  
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**"ROBINE" <sup>REGD</sup>**  
**RAPID RAT REMOVER**

*Always in demand!*  
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ALOE  
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HOME & EXPORT BUYERS SUPPLIED

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Manufacturers of **TANNIC ACID** (Bulk Supplies  
Only)  
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**THE BRITISH DYEWOOD COMPANY LTD.**  
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# CREODYNE

(DUNCAN)

A seasonable linctus with a wide reputation. Combines the virtues of lacto-creosote, codein and aconite in a pleasantly flavoured glycerin base.

Particularly recommended for the more troublesome respiratory affections of children and adults.

4-OZ.  
Bottles

4/-

Purchase Tax  
Included



*Another of the profitable Duncan Counter Lines*

**DUNCAN, FLOCKHART & CO.**  
EDINBURGH LONDON

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BRITISH MANUFACTURED

**POTASSIUM SULPHATE**

(Commercial and B.P.C.)

COMMERCIAL GRADE 94/95% —

Practically White

Available for prompt and early forward delivery.

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Available for the moment in restricted quantities only. There are priority requirements.

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**GRAESSER SALICYLATES**  
LIMITED  
Manufacturers of Fine Chemicals  
**SANDYCROFT**  
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**PHENYL SALICYLATE**  
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Available in the form of  
Crystalline Powder for which  
we invite your enquiries



**EMULSIFIERS**  
**Q.P.** HAND, BELT OR  
MOTOR DRIVEN

FOR  
SMALL TEST MIXTURES  
OR LARGE OUTPUT

The hardest and most reliable emulsifier - all working parts non-corrodible. Gives good, stable emulsification of pure liquids or small solids. With two jets, post free U.K. £5.5.0. ex-stock

Easy to use    Easy to clean

**FORMEROD ENGINEERS LTD.**  
SHAWCLOUGH    ROCHDALE



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**Offered  
for prompt shipment:**

HERBA BELLADONNAE CONC.  
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*Correspondence invited*

**GERARD NOORT**  
Rynsburg (Holland)

**Cultivation and Dehydration of  
Medicinal and Aromatic Herbs**

**CONSISTENT**

**PURITY**

**STRENGTH**

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**Filter Papers**



EVANS, ADLARD & CO. LTD · WINCHCOMBE · GLOS

1209

**B.B.**

**TESTED INSECTICIDES**

*The makers of B.B. Insecticides  
offer 2 quick selling lines for 1947*

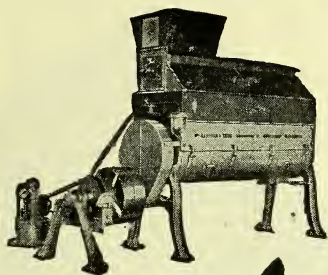
● **3 WAY ACTION D.D.T. INSECTICIDE POWDER**  
ATTRACTIVE PACK  
APPROX. 4 OZ. SPRINKLER DRUM  
SHOWS 40% PROFIT.    Retalls - 1/3

● **B.B. BRAND D.D.T. FLY PAPERS**  
**THE SEASON'S BEST SELLER**  
Owing to improved methods of deep impregnation we are able to retail at  
**2d. each.**    Cost per gross - 16/-

*Trade Discounts Unchanged. Size Maintained*

**ORDER For Immediate Delivery  
NOW**    (Samples on Request)

HOME and EXPORT  
Enquiries to—J. GOODMAN (Chemicals Ltd.)  
Devonshire Mews, Chiswick, W.4.,  
or direct to—B.B. Insecticides, 12a Osborne Mews,  
St. Leonards Road, Windsor, Berks.



# 3 in one!

This machine, besides sifting and mixing powders to perfection, incorporates an automatic sprayer for either replacing lost moisture, adding flavour or perfume, or securing uniform tinting. It does its job efficiently, rapidly and economically.

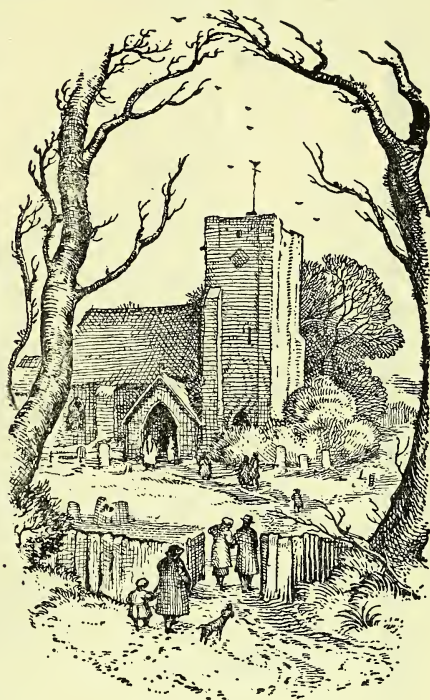
## GARDNER'S Patent 'RAPID'

### SIFTER, MIXER & ESSENCE SPRAYER

M. GARDNER & SONS (GLOUCESTER) LTD.  
GLOUCESTER

Telephone: 2288 (3 lines)

LONDON: 19 Grays Inn Chambers, 20 High Holborn, W.C.1  
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## December

December is balance month. The last few days of the year make heavy demands upon the staff of the bank, for every account is "balanced" and checked. Modern office methods, involving the use of mechanised book-keeping systems and of photographic records in accountancy, have reduced the time spent in searching for the proverbially elusive penny, but even so, hard work by every officer is required at "balance time". You will soon have an opportunity of studying the balance sheet of the Midland Bank; it is clothed in conventional form, but behind its figures lies the story of great achievements for customers large and small.

**MIDLAND BANK LIMITED**

## LABELS OF DISTINCTION

For Wholesale Manufacturing  
& Retail Chemists

MEDICAL and DISPENSING LABELS, TOILET, COSMETIC and PERFUME, largest range of STOCK LABELS (attractive two-colour 50-60 wordings), SHAMPOO POWDER ENVELOPES and INNERS, also SACCHARINE TABLET ENVELOPES, with name and address. We can also offer multi-coloured advertising stamps in exclusive designs.

Send for our  
extensive sample  
range

## CARILLON PRESS LTD

Artists in the Production of Fine Labels  
**BOURNEMOUTH**





## **WE'RE TELLING ALL SHAVERS OLD AND NEW ...**

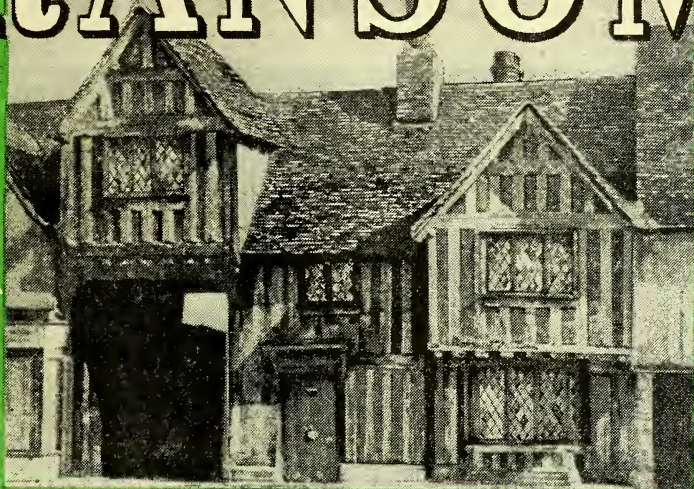
Yes, we're telling them about the wonderful Gillette 3-facet edge — the sharpest edge in the world. We're telling them through a continuous, nation-wide press advertising campaign, week in, week out.

It is a convincing story, and one that is fully confirmed in the ever-growing number of men whose 'Good mornings' begin with Gillette !

**Order your requirements.** You should now be getting your supplies of Gillette Blades regularly. If not, please write to Gillette Industries Ltd., Great West Road, Isleworth, Middlesex, giving the name of your usual wholesaler.

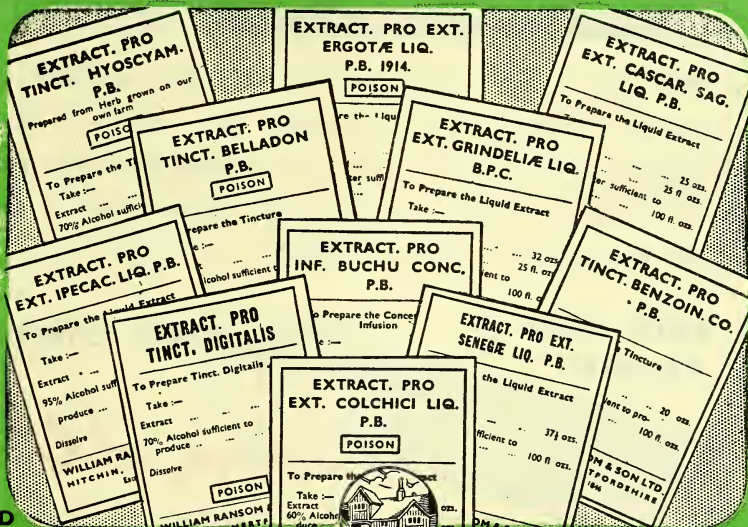
## **'Good Mornings' begin with Gillette**

# RANSOM



14th Century Gate-house to Ransom's Factory

*Drug growing for over 100 years*



BLISHED

1846

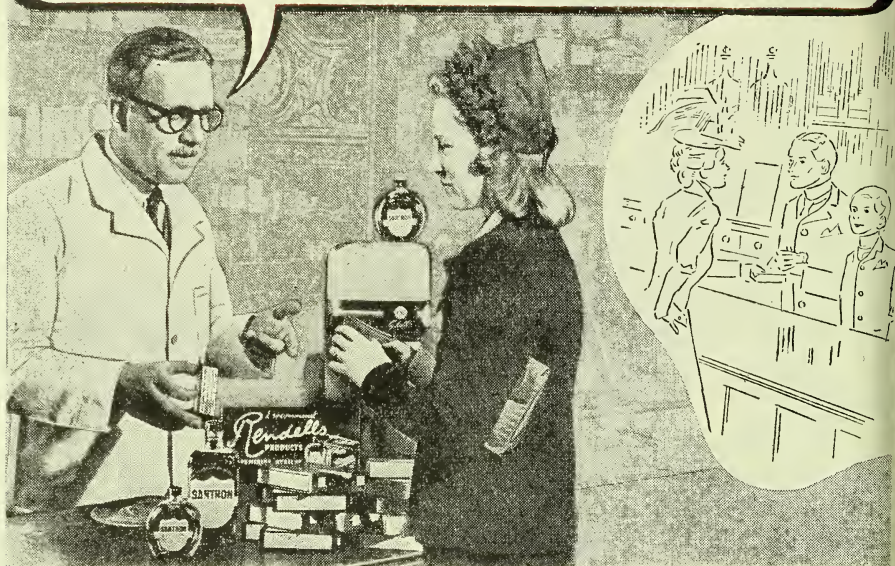


**WILLIAM RANSOM & SON LTD.**

*Growers of medicinal plants for over a century*  
*Hitchin, Hertfordshire, England*



*It's a tradition with us*



"Yes, Mrs. Dale, we have been established a very long time and ever since I can remember from my apprenticeship days here, we have always recommended Rendells. No, the transparent wrapping is not new. It was always a feature of Rendells packing before the war, and is just another indication the product is back to normal."

**ON BOTH SIDES OF  
THE COUNTER**

**THERE'S CONFIDENCE IN**



*Rendells*

**NOW WRAPPED IN CELLULOSE FILM AGAIN**

W. J. RENDELL LTD., 161 ROSEBERY AVENUE, LONDON, E. C. 1

*Constant demand*

# "ABECEDIN" Vitamins A-B-C-D

## TABLETS

Bottles	21	-	3/6
"	105	-	16/6
"	500	-	75/-
"	1,000	-	148/-

## EMULSION

Bottles	4 oz.	-	5/-
"	16 "	-	19/-

FREE from Purchase Tax.



*-prompt delivery*



3 & 4, CLEMENTS INN, LONDON, W.C.2

Telephone: HOLborn 1444

Telegrams "NAPPCHEM, LONDON"





Many high quality  
NORTH BRITISH  
rubber products  
in steady demand  
are obtainable  
through your  
wholesaler.

# NORTH BRITISH

Pneumatic Cushions,  
Hot Water Bottles,  
Nursing Aprons,  
Water Beds, Cot  
Sheets, Combs, etc.

## FOCAL POINT FOR RUBBER PRODUCTS



THE NORTH BRITISH RUBBER COMPANY LIMITED • EDINBURGH & LONDON.



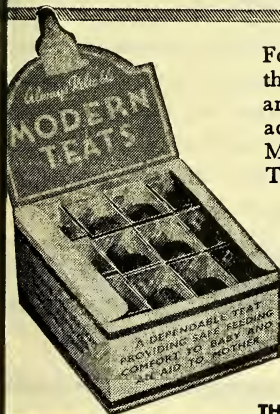
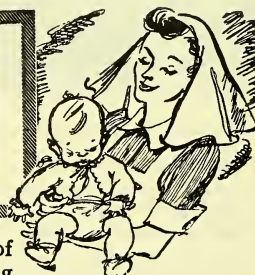
# SURGICAL DRESSINGS

*Lints · Bandages  
Plaster Muslin · Cotton Wool  
Maternity Pads · Gauze*

## CARUS OF DARWEN

HODDLESDEN MILL · ATLANTIC MILL · HAMPDEN MILL · SPOTLAND BRIDGE MILL

### The SALES APPEAL is in the DESIGN



Following widespread acceptance of the new anti-colic design by Nursing and Medical Authorities, extensive advertising support in the National Press and Women's Magazines is rapidly stimulating demand for the "Modern" Teat. Available in attractive counter display outers of three dozen, through wholesalers only. Fixed retail selling price 6d.



The "MODERN"  
ANTI-COLIC TEAT

THE CANNON RUBBER MANUFACTURERS LTD, LONDON N.17



# THE Isopad ELECTRIC HEATING PAD



## UNIQUE FEATURES of THE ISOPAD TRIUMPH

Fibre glass safety construction.

The thermostatically controlled heating element is completely insulated and nested in thick folds of soft fibre glass wadding.

Moisture proof cover. The Pad is soft and flexible like a pneumatic cushion giving constant warmth and comfort.

12 months guarantee.

Wholesale Distributors to Chemists :—

**MAW'S OF BARNET**

Isopad yields good custom, profit and prestige

Write for full particulars and leaflets :—

**ISOPAD LIMITED**

14, POLAND ST., LONDON, W.1

Specialist makers of pliable heaters for home and industry



ATTRACTIVELY PACKED  
IN DECORATED TIN BOXES  
CONTAINING 6 PLASTERS  
OBTAINABLE FROM YOUR  
USUAL WHOLESALER

**WM. MATHER LTD**  
MANCHESTER 15

## MATERIAL AND LABOUR SHORTAGE

For containers and display outers, and especially for shallow packs, our Patent carton with the clips is unquestionably, in material and labour, the most economical style available today

**BOXFOLDIA LTD**  
BOURNBROOK, BIRMINGHAM

Grams: 'Boxfoldia, Birmingham  
Phone: Selly Oak 1164

**HAPPY RETURN**  
*to*  
**PRE-WAR quality**

**DUNLOP**  
HOT WATER BOTTLES



Demand still outstrips supply and you may not therefore be able to buy all the Dunlop bottles you can sell—DUNLOP RUBBER CO. LTD., Cambridge Street, Manchester.

47G/SG1

*It's got all **PACKS** taped!*

quicker, it's slicker,  
the Sellotape system  
sealing! Sellotape  
a new standard in  
appeal. And it's  
simple to use—  
pressure sticks it  
Use it to make  
pack a selling  
Use it for air-  
sealing of jars  
bottles.



Use it for fixing labels  
and protecting them  
from stains. Use it for  
smart, efficient sealing  
of parcels and packets.  
Sellotape is obtainable  
in various widths, in  
colourless transparent,  
and a range of colours,  
plain or printed with  
your sales message. We  
shall welcome your  
enquiries.



*Sellotape*

SELF ADHESIVE CELLULOSE TAPE ★

Gordon & Gotch, Ltd., Dept. P.6, 75/79 Farringdon St., London, E.C.4



## ASPRO LIMITED

The Twelfth Annual General Meeting of Aspro Limited was held on December 3, at Winchester House, Old Broad Street, London, E.C. Mr. Ewart F. Norris, the Chairman, Preside

The Secretary, Mr. F. E. Stapley, read the notice convening the Meeting and the report of the Auditors.

*The following is an extract from the Chairman's statement:—*

The net profit for the year ended 30th June, 1947 (after charging £125,000 for Profits Taxes but before provision for Income Tax) is £593,557, or approximately £170,000 more than the previous year. Profit on trading was actually down by about £280,000 but this was compensated by a saving of £360,000 in profits taxes following the ending of the Excess Profits Tax and by dividends receivable from subsidiary companies amounting to £100,000 (including £60,000 earned in prior years). This decline in trading profit was not unexpected in view of the exceptional orders in 1945/46 from customers whose stocks had been depleted during the war; the termination of war contracts (for example, the Mepacrine Plant was closed down in 1946); the virtual stoppage of Service canteen orders, accounting for a fall of £120,000 in sales; and the higher costs of production and advertising. I am pleased, however, to report a very substantial increase in trading profit during the first four months of the current year to 31st October, 1947, as compared with the same period of last year.

Bringing into account the £46,672 carried over from 1945/46, the total available profit is £640,229. After providing £280,000 for the future liability to Income Tax calculated on the year's profits (following the precedent established last year) and £56,375 for the Preference and Interim Ordinary dividends, there remains a balance of £303,854 to be dealt with as resolved by the General Meeting.

Your Directors have pleasure in recommending (a) a Final Dividend on the Ordinary Stock of 35%, less tax, making a total for the year of 50%, less tax (as against a total of 35% last year), and (b) a transfer of £140,000 to General Reserve, which will then stand at £600,000. This leaves a balance of profit of £67,604 to be carried forward to the next account.

They believe that these proposals constitute a fair compromise between the need to combat inflation and the rights of shareholders to benefit from increased profits. I would also point out that a dividend of 50% on the Ordinary Stock represents only 18% on the capital actually employed in the business at 30th June, 1947, excluding the Preference Stock.

The reduction of some £380,000 in net current assets is mainly due to the acquisition of our controlling interest in Ivers-Lee (Great Britain) Limited, already reported in a letter to stockholders dated 7th May, 1947. As is expected, this Company incurred a small loss during its first financial year, but orders for its specialised packaging service are steadily coming in and prospects are considered excellent. Other long-term investments during the year include shares in the company owning our South African Associated Company's premises and in Aspro A.G. Vienna (both wholly owned) and a substantial interest in Aspro (Ireland) Limited.

In conformity with the policy of fully mobilising our resources, to which I referred in my last statement, we are actively engaged in consummating our plans for opening up new markets for "Aspro" abroad (additional to those dealt with above) and

also for developing our new Ivers-Lee business with the assistance of our organisations throughout the world. Negotiations are in progress for acquiring a controlling interest in an engineering concern in which the Ivers-Lee Company will have first call for the manufacture of packaging machines required to meet the demand at home and abroad. A new stomach tablet ("Trisco") has been produced and successfully tested on the market through a subsidiary company and arrangements are being made for sales abroad.

One of the difficulties we have to face is the shortage of foreign currency for industrial investments abroad. While we gladly acknowledge the sympathy and helpful attitude of the Government officials concerned (within the limits imposed by the regulations) we view with some misgiving a short-term national policy which involves a serious risk of missing present but fleeting opportunities to capture foreign markets and thus to contribute to restoring Britain's lost overseas investments.

I should like to say a few words about the renewed rumours of legislation to control the advertising of proprietary medicines. This Company is prepared to give its full support to any action taken against advertising claims that cannot be substantiated, or other abuses. We have been able to maintain a great demand for our own product and in this we have been considerably assisted by our modern and economic working methods and policy of service to the customer.

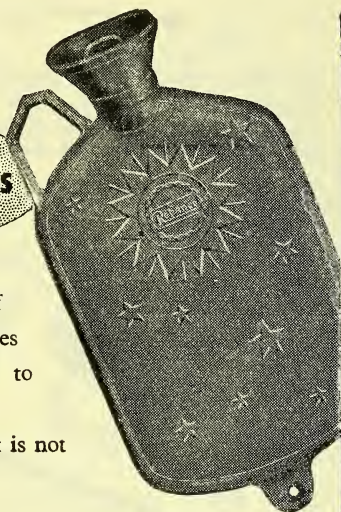
*Further statement by the Chairman*

The Autumn Budget presented to Parliament since my Statement was made affects the Company's affairs in several important respects. The increase in Purchase Tax is necessarily passed on to the consumer and is causing some disturbance in the channels of distribution during the transition period. The proposed tax on advertising would involve a relatively substantial charge on a business like ours but one which we might hope to absorb without undue difficulty while still maintaining a reasonable volume of publicity. The effect on the current year's operating results of the increased rates of Profits Tax on both distributed and non-distributed profits (including the retrospective charge from 1st January, 1947, which it was too late to provide for in the Accounts now submitted) should be offset by the fact that the first six months of 1946/47 had to bear the heavier Excess Profits Tax. On the whole, therefore, we can look forward with confidence in our ability to complete another successful year and also to continue the policy of preserving the fair balance between profits distributed and those put to reserve which is responsible for the Company's sound financial position.

The negotiations to which I referred in my Statement for the acquisition of a controlling interest in an engineering concern have been brought to a successful conclusion and arrangements have been made by which the whole undertaking will be acquired for the sum of £145,000 which will be provided equally by Ivers-Lee (Great Britain) Limited and this Company.

# Reliance

**MOULDED SEAMLESS HOT WATER BOTTLES**  
**THE ORIGINAL BRITISH**



In spite of raw material difficulties and the shortage of  
stoppers, the use of hard rubber stoppers enables  
to maintain full production—and even, shortly, to  
produce new models.  
Supplies are being distributed fairly, but we regret it is not  
possible to accept new business.

**LIANCE RUBBER CO. LTD · LOTS ROAD · LONDON · S.W.10**

Phone: Flaxman 6200 and 0985/6

ESTABLISHED 1889

Telegrams: 'Doorstop' Fulroad, London.



Unless manufacturers have your returned con-  
tainers, they can't give you the goods. So please  
don't give away containers, don't damage or  
destroy them—put them aside for the C.R.S.  
to take back. Vans collect during normal  
deliveries. C.R.S. vans also make regular addi-  
tional collections. Cash paid on the spot!

**This is all you need to do :**

- 1** Open C.R.S. wood and fibreboard cases carefully to avoid damaging tops and sides.
- 2** Fold C.R.S. collapsible cartons **FLAT**—with flaps sticking **OUT** (otherwise flaps have to be untucked before re-use).
- 3** Store them out of harm's way until collection.

**Keep supplies on the move—co-operate with**  
**CONTAINER RECOVERY SERVICE**

**S.P.D. LIMITED**  
Unilever House,  
Blackfriars, London, E.C.4



# HEAD PESTS

*a NEW  
approach*

*A*  
**JEYES**  
PRODUCT

**SULEO** Eradicates and Prevents Head Pest Infestation (*Pediculosis capitis*). One application will clear the most heavily infested head or will keep a clean head free from head pests for 14 days, even if contacts are made with infected persons.

**3oz SPRINKLER BOTTLE**

(Six treatments)



INC **2½** TAX

PHARMACISTS' DISCOUNT 33 ⅓ %

## SULEO DDT HAIR EMULSION

"Every case so far treated with D.D.T. emulsion has been cured by one application. This result is to be expected, as the duration of protection with D.D.T. exceeds the incubation period of the nits."  
(B.M.J., 24th March, 1945.)

Manufactured for

**JEYES' LABORATORIES LTD., LONDON, E.13**

By the proprietors

**JEYES' SANITARY COMPOUNDS CO. LTD., LONDON, E.13**

*always  
Worth  
While*

*to maintain your contacts in*

## NORTHERN IRELAND

*by inserting your announcements  
in the advertisement columns of*

## Belfast Telegraph

*The newspaper with the largest  
circulation and the established  
goodwill of the people through-  
out the whole of this important  
industrial and agricultural  
part of the UNITED KINGDOM*

HEAD OFFICE  
ROYAL AVENUE, BELFAST

LONDON OFFICE  
112 FLEET STREET, E.C.4

*It's no gamble to stock*

# TOWN TALK

*The Silver Polish which  
ensures regular customers,  
to whom your other  
wares will also appeal*

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#### MANCHESTER:

D. Mawdsley & Co.  
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#### LEICESTER:

E. H. Butler & Son.

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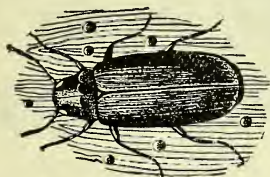
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**THE TOWN TALK POLISH CO., Manchester,**



## RENTOKIL TIMBER FLUID

is available in the  
following sizes

Fl. oz. : 8 Fl. oz. : 16 Fl. oz. : Qts.  
galls. : Galls. : 5 galls. : 40 galls.

Trade Terms on application

### RENTOKIL LTD

SCHOOL LANE,  
WIMBORNE, DORSET  
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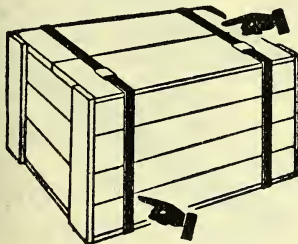
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168-170 Stockwell Rd.,  
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E:—

## Wire Bands

BANDING SYSTEM

It's speedy! It's simple!!  
Above all—It's Secure!!!



THESE BANDS WILL ENSURE YOUR  
GOODS ARE DELIVERED INTACT

## Wire Bands

1, LANCEFIELD STREET, LONDON, W.10  
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LET'S HAVE A  
ONE HUNDRED PURR-CENT  
DEMAND!

SAYS 'TIBS' THE  
KITTENISH  
CAT



“Claws and whiskers! That'll be the day . . . There's a tidy six million of us cats in this country—and if every cat had one 'Tibs' daily—well, you can work it out for yourself . . . That's why I'm getting busy in all the papers, teaching your less enlightened customers that “a 'Tibs' a day” is the golden rule of health for cats. To judge from results to date, the growing demand for 'Tibs' is going to

do a bit of good to chemists as well as cats. Yes sir, the market is as wide as the grin of my old Cheshire friend!”

I MESMERISE  
WITH ROLLING  
EYES!



(ABOVE) “The Cat with the Rolling Eyes.” This intriguing window display shows ‘Tibs’, the kittenish cat, lapping a saucer of milk. As you move your head, so the cat’s eyes appear to move—with an expression of great contentment. Now ready for distribution. Full particulars of this and other clever display material from Bob Martin Ltd., Room 165, Southport, Lancashire.



*An advance  
in  
Asthma  
medication*

**Respaton**  
TABLETS

**Indication**

Respaton Tablets are specially indicated for the speedy relief of Asthma, Bronchial Asthma, Bronchitis, Emphysema and cognate ailments.

**Action**

Respaton Tablets are : Antispasmodic, Antipyretic, Analgesic, Sedative.

**Formula**

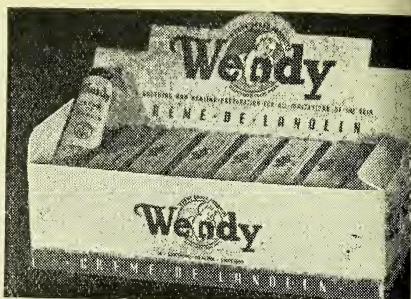
Ephedrine Hydrochloride...	$\frac{1}{4}$ grain
Ext. Bellad. Sicc. B.P. ...	$\frac{1}{10}$ "
Dioxyamidopyrine ...	$\frac{1}{2}$ "
Ipecac Pulverat. B.P. ...	$\frac{1}{2}$ "
Theobromine ...	"
Calcium Lactate ...	"
Lactose ...	"

Respaton Tablets are now being introduced to the Medical Profession. Chemists would be well advised to lay in a small stock in anticipation of prescriptions.

In Bottles 25 tablets 4/4d.; 100 tablets 15/6d., inc. P.T. Usual trade terms.

**MEDICAL SPECIFICS LTD.**

West India House  
Maryland Street, Liverpool, 1.



**Wendy Brand CREME de LANOLIN**  
created to meet the demand for a smooth, easily applied creamed lanolin, is now available in handy cartoned tubes and attractive 2-dozen display outers.

This new presentation will increase your sales on an already established fast-selling line.

Manufactured by  
**COLLEGE LABORATORIES LTD.**  
WARMLEY — BRISTOL

Retail Selling Price  
 $1\frac{1}{4}$  inc. tax. Tax  $\frac{1}{3}$ rd only.

**FINLEY-KALE LTD.**

21 BALHAM HILL, LONDON, S.W.12

Telephone - Tulse Hill 1620

**MALTOBAL**

is available in

**7 $\frac{1}{2}$  D BARS**

NO POINTS



**TASTE  
GOOD  
LOOKS GOOD**

Each ounce contains  
2,000 i.u. vitamin

Enquiries to the Manufacturers :

**AFFINED BASIC CHEMICALS LTD.**

EMPIRE WORKS, DESBOROUGH ROAD,  
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Telephone : High Wycombe 2266-7-8

**CHEMISTS!** 42% profit is shown on many of the popular **RIDDELL** Asthma Inhalers. The initial sale means constant repeat orders for the leading preparation

**ASTHMA RIDDOBRON INHALANT**

the standard treatment for the relief and prophylaxis of all **allergic** conditions of respiration.



**RIDDELL PRODUCTS LIMITED**

**AXTELL HOUSE, WARWICK ST., LONDON, W.1**

and Manchester: 12 Mosley Street

PAT. A

*Little-known Limericks — No. 17 (Reprinted)*



Said a chemist who lived on a cliff,

"I would surely jump over it if

My quota from Brand's

Didn't come to my hands

Smack on time, but it does! What a diff!"

The Brand Man's job isn't an easy one. He knows too well that supplies can't meet demands. But he's always fair in his distribution. Brand's products are distributed on a strict quota basis, so you can always be sure of getting your share.

**Brand & Co. Ltd.**

London



# THERAPEUTIC PRODUCTS

## Why Doctors Prescribe Anusol

*ANUSOL* Hemorrhoidal Suppositories are composed of bismuth subgallate, bismuth resorcin compound, Nicaraguan balsam (medicinal), zinc oxide, boric acid and cacao butter ointment base. *ANUSOL* Suppositories soothe the irritated mucosa, coat it to protect it from trauma, soften retained rectal contents and provide lubrication to facilitate their evacuation. They are selected by physicians:

- 1 For quick relief, speedier healing and protection against further damage in cases where surgery is inadvisable.
- 2 For pre- and post-operative care, reduction of congestion and speedy uncomplicated healing.
- 3 For simple inflammatory rectal states.

Literature and samples supplied on request.

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William R. **WARNER** and Co. Ltd.



POWER ROAD, LONDON, W. 4.

# FENOLIN

P.A.T.A.

# FLUID

for WHOOPING COUGH  
for use with ELDON VAPORISERS

**HALL FORSTER & CO. LTD.**  
NEWCASTLE, UPON TYNE

# NIPITS



The Medicated Pastille  
FOR **VOICE, THROAT & CHEST**

TEASDALE & CO. LTD., CARLISLE

# MARION MOORE'S



SUPPLIES AVAILABLE TO EVERY CHEMIST

and the time of year when everyone needs it. You cannot have enough. **MARION MOORE'S** Witch Hazel Jelly containing Glycerine and Lemon Oil so keep ordering and we will do our best.

Sole distributors:

**E. DAVIDS & CO., LTD.**

378 ESSEX ROAD, LONDON, N.1. Tel.: CLissold 5571



Retail price ..... 1/-  
per tube  
Wholesale ..... 7/-  
per doz.  
Plus 125% P.T.

# This Season! INFLUCOL



● **FOR IMMUNISATION**

Influcol has been considerably improved in formula pack. The pellets are made with yellow coat for immunisation and coatings for treatment. They are packed in bottles of a beautiful and attractive design.

Veuillez nous consulter sur les exportations.

Sirvanse Vds. consultarnos sobre las exportaciones.

Queiram consultar-nos sobre as exportacoes.

● **FOR TREATMENT**

## OF THE COMMON COLD

**FLUCOL LTD. 24, 26, 28 CHAPEL ST. BRADFORD, ENGLAND**

Telephone : BRADFORD 28797 (10 lines). Cables and Grams : KEMTHEUTIC, BRADFORD

Codes : A.B.C. (5th and 6th Editions) Bentleys and Smiths



Zefinges contain Nicotinamide, or the p.p. factor, and represent an advance in the orthodox treatment of those afflictions affecting the bronchial system.

Limited quantities available. Packed in decorated tins.

## ZEFINGES BLACK CURRANT PASTILLES

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# IMPORTANT ANNOUNCEMENT

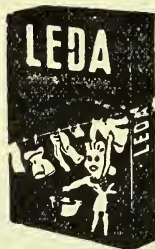
Issued by **M. CALTHORPE & CO., LTD.**, Manufacturing Chemists, **OSSETT, YORKSHIRE**

Good news for our Trade Friends. **VIRONITA** — now prepared under Ministry of Food Licence No. FVP7707/1972/MED has an even better Formula, produced at a lower cost. The savings we pass to the ever increasing numbers who daily enjoy the benefits derived from taking this fine Iron Tonic. Approved retail prices operating from 13th November are 4/6 and 2/9 per large and small bottles, including Purchase Tax. This price reduction, backed by powerful publicity, makes easy sales easier still, and every sale shows a generous profit margin. So, Buy Now! — display and recommend **VIRONITA IRON TONIC** and attract regular, worthwhile custom to **YOUR** shop.

**NEW RETAIL PRICES, INC. PUR. TAX, FROM NOV. 13 4/6 and 2/9**

## VIRONITA IRON TONIC

V3/9/9



### LEDA Washing Powder

This amazing new powder gives quicker whiter washing—quicker profits and turnover. Suitable for all fabrics including silks and woollens. Ideal for washing up and general household cleaning.

NO  
COUPONS

### LEDA Soapless Concentrate

Specially produced for washing delicate articles and other fabrics which require special care in washing. Contains no soda.

*"Leda"*

**CHEMICALS LTD.  
WHARF RD., PONDERS END,  
MIDDLESEX.**

HOWARD 2231

Sole Agents for Scotland:—

**SOUTHERN MANUFACTURING CO. LTD.**  
214, West Regent Street, Glasgow, C.2



### SOLD BY CHEMISTS ONLY

and approved by 1000  
of Housewives . . .

## White Sails

**DOUBLE STRENGTH  
SUPER BLEACH**

26 oz. — Good Glass Bottle

**1/6d.**

Book your order **NOW** for  
this quick selling line from

**SUTTON & CO. LTD.**

Horse Shoe Lane, Chaseside  
Enfield, Middx

**GEO. HIGGINS & CO. LTD.**  
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**SPIERS & POND, LTD.**

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London, E.C.



Trade enquiries —

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SYDENHAM 7524

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## "Fitness for purpose"— the test of design

Whether the subject be motor-cars, silk stockings, surgical instruments, or pharmaceutical preparations, the "designer" of to-day applies *one* criterion—"fitness for purpose."

How should this criterion be construed in the case of dietary supplements? It is submitted that the following points are relevant.

- 1 Does it contain the most important vitamins and minerals? ✓
- 2 Are the quantities related to bodily requirements? ✓
- 3 Is the dose convenient? ✓
- 4 Is the cost such that the physician's directions will be followed? ✓
- 5 Are additional supplements unnecessary? ✓

The "fitness for purpose" of Complevite (analysis below) may readily be verified by reference to the above-mentioned criteria.

## COMPLEVITE

**A single supplement for multiple deficiencies**

The recommended adult daily dose provides:

vitamin A 2,000 i.u.	vitamin C 20 mg.	iodine	} not less than 10 p.p.m. each
vitamin D 300 i.u.	calcium 160 mg.	manganese	
vitamin B <sub>1</sub> 0.6 mg.	iron 68 mg.	copper	

Retail cost of 20 days' supply (120 tablets) 5/-.  
Trade Discount 33½%



*Vitamins Limited*

Upper Mall, London, W.6





*The Brand  
that rings  
the bell!*



Keep your cash register busy this winter by showing the attractive "Autumn Sun" display card, linking up with "Autumn Sun" national advertising. These, plus "Edme" quality and "that butterscotch flavour," ring a bell with the public.

NATIONALLY ADVERTISED  
Advertising in national Press  
will appear throughout the  
Season. FREE—handsome Jar-  
holder display showcard in full  
colour creates sales.

**EDME**  
**Autumn Sun**  
MALT AND OIL  
Manufactured from finest ingredients  
obtainable. Full particulars from :

**EDME LIMITED · IMPERIAL HOUSE, REGENT ST., LONDON W.1.**  
TELEPHONE REGENT 5563-4



*Last Summer*  
**BRONTAN** SUN TAN CREAM  
*had big Sales*

Your holiday-making customers were delighted with Brontan Sun-Tan Cream. Now, they'll be ready to try other Brontan products if you show them and talk about them.

*This Winter...*  
*-do well again*  
*with* **ANN ROSE**

—also in the Brontan family—  
Ann Rose Beautifying Complexion  
Powder and Ann Rose Vanishing  
Cream. Both are fine, chifion-soft and delicately  
perfumed. Attractively boxed, the powder sells in  
four popular shades, retailing at 3/- and 4/4½ (incl.  
P.T.). The Vanishing Cream, in neat, handy jars,  
is 2/3½ (incl. P.T.).

**BRONTAN (regd.) Ltd.,** 1 Broad St. Buildings,  
Liverpool St., E.C.2. Phone: B15nopsgate 6383

*Twins*

**Lanalol**

HAIR PREPARATIONS

**NEW**

**SELLING PRICES**

**Lanalol**

beg to advise the trade that the  
new selling price is :

Standard Price	...	2/6d.
Plus Purchase Tax	...	2/4d.
Total Retail Price	...	4/10d.

**LANALOL LTD.,** 20-23 HOLBORN, E.C.

# PERNAEMON FORTE

*again freely available*

A Liver Extract of Exceptional Purity and  
High Hæmopoietic Activity for Painless  
Parenteral Therapy.

*For the treatment of:—*

Addisonian Pernicious Anæmia,  
Idiopathic Ulcerative Colitis and Sprue,  
Drug and X-ray intoxication.

**Every batch issued is clinically tested**

2cc. ampoules :—packs of 3, 12 and 50.

5cc. vials :—packs 1, 6 and 12.

*Literature on request*



**ORGANON** LABORATORIES LTD.

*Engaged solely in the production and distribution  
of natural and synthetic hormones, vitamins and  
related therapeutic substances*

**BRETENHAM HOUSE, LONDON, W.C.2**

TEMPLE BAR 6785

MENFORMON, RAND, LONDON

AGENTS THROUGHOUT THE BRITISH EMPIRE & MOST OVERSEAS TERRITORIES



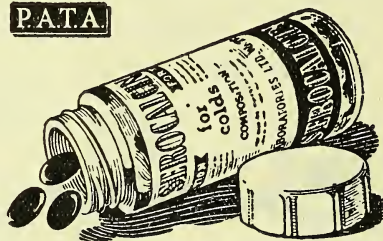
# SEROCALCIN

## FOR THE PREVENTION AND TREATMENT OF COLDS

The extensive advertising campaign in all sections of the press and the personal recommendation of regular users have created a constantly increasing demand for Serocalcin. Ample supplies are available now and chemists are urged to maintain adequate stocks.

**P.A.T.A.**

Pharmacists are reminded that the sole selling agents for Serocalcin in the United Kingdom are Messrs. J. C. Eno Ltd., Watford, Herts. (phone Watford 7761) to whom all orders and enquiries should be sent.



Serocalcin is packed in 20s and 60s.

HARWOODS LABORATORIES LTD., WATFORD, HERTS.



# The CHEMIST AND DRUGGIST

Supplement is included in every copy of Chemist & Druggist

## SUPPLEMENT

DECEMBER 6

1947

28 ESSEX STREET, LONDON, W.C.2.

Advertising restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

Advertisements are restricted to persons or firms excepted from the provisions of the Code of Engagement Order, 1947.

### SITUATIONS OPEN

36 words or less, 3d. for every additional word

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**QUALIFIED ASSISTANT** required, male or female. No N.H.I. No Sunday or holiday duties. Accommodation can be arranged if desired. State usual particulars. Early Bunn, Ltd., 95 High St., Chelmsford, Essex.

**UNQUALIFIED** experienced assistant, good dresser; permanency to right person; quick at Health dispenser, help already available; post vacant; male or female; age 20 to 30. Day duty. Box 2/297.

**ASSISTANT WANTED**, male. A newly qualified find varied and valuable experience in this line. Please apply with the usual particulars to Cosh & Penfold, Ltd., Lower Union St.,

**MR. RO.** Pharmacist, lady or gentleman, wanted. Retail post, good wages, reasonable hours; no accommodation. Good family type business. Taylor, & Flood, Ltd., 71 High St., Bedford.

**ST** would like to hear of student experienced dispensing to assist daily from four to six-thirty, whole day Saturday. Apply "A" Box 2/300.

**STS'** assistants (ladies) wanted for clerical in the N.H.I. checking bureau and stock departments. Apply National Pharmaceutical Union, 4-5 Queen Square, W.C.1.

Assistant required for high-class pharmacy. Gentleman, qualified or unqualified. Duties dispensing. Short hours. No extra duties. & Waterhouse, Ltd., Dispensing Chemists, Kent.

**INGHAM** Co-op Chemists, Ltd., require the services of a qualified assistant for busy central pharmacy. Good conditions. Excellent prospects. Superannuation, etc. All usual details to Chief Executive Officer, 142 High St., Gillingham, Kent.

**PHARMACIST** required as manager for a class West-End pharmacy. Mainly counter no late duty and Saturday half-day. Good opportunity to gain West-End counter experience. Box 2/330.

**ON**, West End. Qualified manager, experienced over 40. No Sundays. Profit-sharing and superannuation schemes. Apply Georges (Chemists), 21 Irving St., Leicester Sq., or phone WHI

**ON, S.W.3.** Qualified assistant, male, wanted. Apply, giving full particulars to R. C. Green,rompton Rd., S.W.3.

**LESBROUGH** Co-operative Society, Ltd., pharmacist (either sex), permanent, progressive position. Superannuation scheme. Living accommodation available. Applications to General Manager, Emporium, Middlesbrough.

**QUALIFIED**, and unqualified assistants required for high-class pharmacy. Dispensing and counter. Apply in own handwriting, stating salary required, and full particulars, to V. J. Woolls, Ltd., 16 Cecil Sq., Margate.

**QUALIFIED** manager required for busy pharmacy; excellent opportunity for keen pharmacist; good progressive salary; large staff. Please give full details of experience, to Macarthy's, Ltd., Market Place, Romford.

**QUALIFIED** lady assistant required for rural pharmacy in Sussex. Young or middle-aged, able and willing to take responsibility. Congenial atmosphere, short hours, light work, almost no holiday, Sunday, or half-day duties. Permanency. Living accommodation for one lady available. Apply Box 2/265.

**QUALIFIED** assistant required after Christmas (or sooner if preferred) for good-class business; permanency. Good salary and prospects. Please give full particulars of age, height and experience. Morrell & Dixon, 7 Central Pde., Wembley, Middx.

**RELIEF MANAGER REQUIRED.** Ears Court flat provided. Congenial post, substantial salary. Undeniable references required. Apply in writing in first instance to Box 2/322.

**SOUTH KENSINGTON.** Qualified pharmacist required for progressive post. Proprietor intends taking life easier and requires intelligent understudy whose future will be assured. Single pharmacist preferred, under 35 years of age. Full particulars, in writing, in the first instance, to Box 2/321.

**SURREY.** Manager required very shortly for a good-class family pharmacy in pleasant suburban district. Living accommodation available. Apply Box 2/198.

**THE BRIGHTSIDE & Carbrook** Co-operative Chemists, Ltd., have vacancies for branch pharmacists. Permanent, progressive positions, good conditions and salary. Superannuation scheme (with transfer clause) in operation, and living accommodation available. Apply to the Superintendent Chemist at the Registered Office, 32 Sycamore St., Sheffield, 1.

**URGENT.** Qualified lady or gentleman, chiefly for dispensing. Directorship and good permanency to right person. A splendid opportunity. Write or call, Franks (Birmingham), Ltd., 394 Lodge Rd., Birmingham, 18.

**UNQUALIFIED** assistant, experienced dispensing and counter. London Central. Progressive permanency. Write, 146 Holborn, E.C.1.

**UNQUALIFIED** assistant wanted. Duties mostly dispensing. No duties Sundays and early closing day. Wages 6 guineas per week plus bonus to help lodging expenses. Please state age and experience and when available. Fairbairn, Reading Road, Henley-on-Thames.

**YOUNG PHARMACIST** (male or female) required immediately as first assistant in large modern pharmacy. 44-hour week, good holidays with pay. £450 per year commencing salary. A permanent position with excellent opportunities and advantages. Would suit newly qualified or applicants referred at recent examinations would be considered. Apply immediately to Peterborough Co-operative Chemists, Ltd., Park Rd., Peterborough.



## WHOLESALE

**ACTIVE** and experienced representatives required on commission basis (part time) to call on chemists, hairdressers, ironmongers, etc. in (1) Kent, Sussex, Berkshire, Hampshire; (2) Cornwall, Devon, Somerset, Dorset, Wiltshire and Gloucester, for "Eclipse" razor blades. Apply in writing, with full particulars, to James Neill & Co., (Sheffield), Ltd., Composite Steel Works, Napier St., Sheffield. **AN EXCELLENT** opportunity occurs for an enthusiastic salesman of proved ability to represent prominent G.F. manufacturers in the Midlands. The position is progressive and remunerated by salary and expenses. Write, giving fullest particulars of past experience, age and salary required, in complete confidence, to Sales Manager, Westminster Laboratories, Ltd., Chalcot Rd., London, N.W.1.

**ATTRACTIVE** positions as chemists' representatives in Lancashire and Yorkshire are offered by well-known London manufacturers of C.F. proprietaries. Essential qualifications are proved selling ability and enthusiasm. Salary and expenses paid. Excellent prospects for the right men. Full particulars of past experience, age, and salary required must be given in first letter (absolutely confidential). Box 2/204.

**BURROUGHS WELLCOME & CO.** invites applications for post of Head of the pharmaceutical development laboratories at its Dartford factory. Essential qualifications include a degree in pharmacy; industrial experience in the formulation of pharmaceutical preparations; and ability to develop large scale manufacturing processes. A qualification in chemistry would be an additional advantage. Salary according to qualifications and experience. Apply in writing with full particulars to the Development Manager, Wellcome Chemical Works, Dartford, Kent.

**EXPORT MANAGER** wanted. British manufacturers of high-class beauty preparations are looking for export manager with years of experience in this industry. Must have ability to manage export department and promote export sales. Good prospects. Please give complete details. Box 2/327.

**LABORATORY** assistant required with sound knowledge of ethical; competent to deal with doctors, institutions and works chemists. Apply, giving full particulars to Philadelphus Jeyes & Co., Ltd., 8 College St., Northampton.

**MANUFACTURING** chemists, N.W. London, require the services of an energetic and experienced pill maker (living in the London area). 5-day week. Write, giving details of age, experience and salary required. Box 2/337.

**MANUFACTURING** chemists with interests in proprietary field at home and for export wish to appoint a buyer. Applicants should have M.P.S. qualification or, alternatively, a wide knowledge of drug trade, experience of buying printed matter, packaging materials and stationery of all kinds, and some previous contact with stores control. Give details of previous work, three references and salary required, to Box 2/328.

**MANUFACTURERS** of well-advertised product require live representative already calling on chemists, etc., in Derby, Nottingham, Lincoln, Leicester, Stafford, Warwick, Northampton, Shropshire, Worcester and Hereford. Commission basis. Write fully Dept. M, Box 2/310.

**MANUFACTURERS** of well-advertised product require live representative already calling on chemists, etc., in Yorkshire. Commission basis. Write fully Dept. Y, Box 2/311.

**MANUFACTURERS** of well-advertised product require live representative already calling on chemists, etc., in Oxford, Buckingham, Berkshire, Hampshire, Surrey and Sussex. Commission basis. Write fully Dept. S, Box 2/312.

**MANUFACTURERS** of well-advertised product require live representative already calling on chemists, etc., in Wales. Commission basis. Write fully Dept. W, Box 2/313.

**MANUFACTURERS** of high-class and most actively presented pharmaceutical specialities in popular demand have vacancies for capable and scientific representatives or sole agents. Existing accounts transferred. Territories: 1. Mid Counties excluding Notts and Leicestershire. 2. V Country. 3. Scotland. Established connections with chemists, stores, and Co-ops., and own car essen. Send fullest details in confidence and prior to interview. Include basis of remuneration required. Priority covered, age and experience. Income applications cannot be considered. Box 2/334.

**MANUFACTURERS** of well-advertised product require live representative already calling on chemists, etc., in Gloucester, Wiltshire, Dorset, Somerset, Devon and Cornwall. Commission basis. Write fully Dept. S.E., Box 2/314.

**MANUFACTURING CHEMISTS** require qual (pharmaceutical) assistant. Advertisers specialise production of injections and the person engaged would be required to act as general assistant chief pharmacist and to deal with matters relating to processing and filling. Salary £425 p.a. Plus give particulars of career to date. Write Box 2/ M.P.S. OR Ph.C. required by London firm as a ant to chief chemist and to carry out a number control tests. Knowledge of biologicals desirable. State salary. Box 2/293.

**NEWLY FORMED** cosmetic company seek the services of a first-class man fully conversant with making up of various lines in the cosmetic and fumery trade. Apply Duncan, Harris, Ltd., Temple Chambers, London, E.C.4.

**QUALIFIED** chemist with knowledge of pharmaceutical. Managerial position offered, with aspects of directorship. Write full details and experience, to Box 2/308.

**QUALIFIED CHEMIST, M.P.S. or Ph.C.** required to control large packed pharmaceutical section. It is desirable that applicants should have had previous experience in such a department, and familiar with semi-automatic filling plant and labelling machines. Principal assets should be the ability of controlling large mixed staff and possession of organising ability. Pension scheme in operation. Applications stating age, salary required and details of previous experience to be addressed to the Staff Office, C.W.S., Ltd., 1 Lion St., Manchester, 4, endorsed "Pharmaceutical Section."

**REPRESENTATIVES** required for all areas to introduce high-grade toilet preparations on sound scheme. Reimbursement, generous commission basis. Applicants must be well introduced, prepared to devote serious representation. Re giving details of other lines carried and state territory desired. Box 2/304.

**REPRESENTATIVES** calling on high-class store chemists, Co-ops., etc., with proved sales ability and connections required to carry well-known line of cosmetics, toilet goods, fancy goods, toys. Areas: Lancashire, Cheshire and North W. Many accounts already opened. Liberal commission, expense allowance and full support given. 2/301.

**REPRESENTATIVES** wanted, £2 towards expense and 7½ per cent. commission, to offer unique line in toilet preparations of which there is no competition. Ample stocks on quota, and should be in an extra thousand and a year to representatives have sufficient energy and initiative to realise they have got a winner. Box 2/324.

**REPRESENTATIVES** required all areas for additionally advertised line. Commission basis. 2/335.

**REPRESENTATIVES** with established connections with chemists required by manufacturers of household commodity (nursery) in daily use. Very liberal commission terms. Car essential. Box 1/971.

**STLAND.** Experienced salesman/representative call on doctors, chemists and hospitals. Wide range of ethical products, offering good scope to bright man. Write fully, stating age, experience and salary required. Car owner preferred. Box 2/29.

**PLETS.** Experienced sugar coater required (living in the London area) by manufacturing chemists, 7, London district, with general knowledge of coking. 5-day week. Write, stating age, experience and salary required. Box 2/338.

**BRITISH DRUG HOUSES, LTD.,** have the following vacancies on their scientific staff. Qualified chemists in production departments to act as shift chemists. Experienced chemists of B.Sc. or equivalent qualification in the analytical laboratory. Experienced laboratory technicians with Inter B.Sc. qualification are also required in the analytical laboratory. Please forward record or qualifications and past experience to Personnel Manager (Ref. P), 11, Ham St., City Rd., N.1.

**QUALIFIED** lady assistant required at once by Weight, Layman & Umney, Ltd., for position in serum ampoule department. Apply, with references and full particulars of experience and salary required, to 66/76 Park St., S.E.1.

**VACANCY** for sales representative. Established makers of exclusive toilet preparation have a vacancy in some areas for an experienced and well-produced sales representative who is willing to give proof of this and full details and references in a letter. On commission rate only (15%). Box 2/303.

**WORKS CHEMIST:** Graduate required by London firm of national repute to take full charge of laboratory and factory control; wide range of processes. Preference given to keen, industrious young men with thorough practical experience in all branches of the food trade. This is a permanent post and offers unlimited scope. Full details in confidence. Box 2/319.

**JUNG Ph.C. or B.Pharm.,** straight from qualification required to train as technical sales representative for Greater London area by chemical manufacturers of high-class raw materials for pharmaceutical and cosmetic industries. Full salary from beginning training, plus travelling expenses. Superannuation scheme. Write with full particulars to Box 2/333.

### WHOLESALE (OVERSEAS)

**SOUTH AFRICA.** Well-known proprietary medicine manufacturers require pharmacist (M.P.S.) age 20 for branch in Port Elizabeth. Excellent opportunity for single ex-Serviceman. Will be trained manufacturing processes in London first. Apply Box 2/292.

### SITUATIONS WANTED

for 18 words or less, 1d. for every additional word

#### WHOLESALE

**CHEMIST** with pharmaceutical qualification desires post. Experienced in development and production of pharmaceutical products including tablet manufacture and ampoule filling. Box 2/290.

**EXPERIENCED** representative with connection in Northern Counties desires post with firm of repute. Box 2/260.

**SMETICS** sales improvement by high-class quality demised pack. New requested lines and special set preparation for the export market. Consult experienced cosmetic chemist. Box 2/336.

**MANUFACTURERS'** agent at present representing first-class proprietary food house to chemists, Co-ops, etc., is desirous of representing one other additional house of repute with non-competing lines. Present operating successfully in London, Home Counties and West of England, but can arrange coverage for whole of country if desired. Results guaranteed if lines suitable. Box 2/331.

**MANUFACTURERS' AGENT** or representative at present representing reputable proprietary firm desires change. Capable, active, possesses car. Will consider representation or agencies or will buy own account. Connection in Lancashire but prefer operate farther south in addition. Box 2/250.

**REPRESENTATIVE,** 33, car owner, is looking for job offering interest and scope. Resident West Riding. Present connection Lancs/Yorks. Box 2/332.

**REPRESENTATIVE.** Over 20 years' sales experience with chemists and allied trades in London, Home Counties and South Coast, seeks post covering all or part of above territory, on salary, expenses and commission basis, with good class firm. Free any time after December. Box 2/267.

**SALES EXECUTIVE.** In the capacity of sales or assistant sales manager. Advertiser has had 23 years' service with manufacturing chemists marketing well-known proprietaries. Experience covers many years on the road, together with executive control of a busy sales department. Well versed in modern sales promotion methods. Age 41. Box 2/316.

**SELLING.** Medical, pharmaceutical, veterinary cosmetic and proprietary food Publicist, at present fully occupied, desires contact firm with view to possible future association. Home or export trade. Excellent knowledge of Irish and other markets. John Leake, 6 Orford Gdns., Strawberry Hill, Middx.

### APPOINTMENTS

#### BRITISH PHARMACOPŒIA COMMISSION RESEARCH ASSISTANT

Applications for this post are invited from pharmaceutical Chemists and University graduates in Pharmacy. Salary £400 per annum, rising by annual increments of £25 to £500. The commencing salary may be fixed at any point within this scale according to qualifications and experience.

Applications to the Secretary, British Pharmacopœia Commission, 44 Hallam St., London, W.1.

#### COUNTY MENTAL HOSPITAL, PRESTWICH, MANCHESTER.

Applications are invited from registered pharmacists for the post of ASSISTANT PHARMACIST. The salary will be £370—£4 x £15—£20—£450 per annum.

Candidates should be under 35 years of age as the appointment will be subject to the provision of the A.O.S. Act, 1909.

Form of application may be obtained from the Medical Superintendent, and should be returned completed not later than Saturday, December 13, 1947.

### AGENCIES WANTED

8/6 for 36 words or less, 3d. for every additional word

**PHARMACEUTICAL CHEMIST** requires agencies of pharmaceutical or chemist sundry lines. Nationally advertised lines preferred. Territory covered, all Eire. Contacts include chemists, Co-ops. and stores. Car owner. Box 2/317.

### AGENCIES

17/6 for 36 words or less, 4d. for every additional word

**DISTRIBUTORS** Chemical & General (Halifax), Ltd., Crown Court, Crown Street, Halifax, advise manufacturers that they are now re-opening their agency department and are prepared to consider agencies from first-class companies offering reasonable terms as regards commission, price to wholesale, price to retail, price to consumer, and speedy delivery.



**EXPORT MARKET** in Eire. The Distributors Chemical & General (Halifax), Ltd., Export Division, are prepared to consider accepting agencies from reputable firms for the sale of goods in Eire. This country is worked thoroughly by two full time men, one resident in Ireland. Terms and samples to Crown Court, Crown St., Halifax.

**IRISH** distributors with showrooms are desirous of receiving details from English companies seeking representation. Complete coverage of the chemists trade. Box 2/257.

**MANUFACTURERS** of pharmaceutical products require an agent for Yorkshire (or the West Riding alone). Must have good connection with wholesale and retail trade. Car owner preferred. Write, giving details of lines already carried, etc., Box 2/329.

**MANUFACTURERS' Agents Association** (C. & D.) of Rosebery House, 8 Breams Bldgs., E.C.4, supplies free lists of agents to manufacturers seeking representation in all important centres. Membership available to established agents.

**MANUFACTURER'S AGENTS**, Dublin, require additional lines. Unique connections with all branches of the trade. Only genuine products considered. Box 2/318.

**SOUTH AFRICA.** Advertiser will represent bona fide manufacturer from March 1948 onwards. New products considered. Advertiser can supply own window dressing materials if required. Inquiries treated in strictest confidence. Box 2/288.

## BUSINESS OPPORTUNITIES

17/6 for 36 words or less, 4d. for every additional word

**CHEMICALS**, waxes and substitutes, sulphonates (powder, paste and liquid), in regular but limited quantities, available for actual users and/or export. Box 2/255.

**NATION-WIDE** sales organisation with remarkable record of successful merchandising is open to consider one or two lines. Only branded lines offering possibilities of big permanent business are of interest. Box S.551, c/o Erwoods, Ltd., 211 Piccadilly, London, W.1.

## MISCELLANEOUS SALES

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**BOTTLES.** 30 gross 6-oz. plastic screw cap medicals, plain, 38/- gr. 10 gross perfect washed 4-oz. medicals, white flint panel and plain, 24/- gr. Prices ex Leeds. 5 gross Simplex American safety razors, neatly cartoned, 12/- doz., inc. tax. Lever, 44 St. Albans St., Leeds, 2.

**COMPLETE** chemist stock for sale for removal purposes. Valued at £1,030. Offers invited. Apply to Orridge & Co., 184 Strand, W.C.2 for details.

**FOR SALE.** Five tons boric acid powder, surplus Government stock, packed in 5-lb. tins. U.S.A. origin. Box 2/305.

**SANITARY TOWEL** machinery for disposal. Enquiries invited for purchase of latest model of sanitary towel machinery. Immediate delivery. Box 2/302.

**SURPLUS.** To clear, about 1,200 gross lever lid composite waxed drums with plain tin ends. Size 2½ in. high, 2 in. diameter. New and unused, 16/- gross. Also about 35 gross 3-lb. lever tins unprinted, 80/- gross. London. Box 2/309.

**60 GROSS** 2-oz. cream jars, red metal lids, suit pomade or brilliantine. To clear, 36/- gross cash (cost 40/-). Box 35, c/o George Murray (Advertising), Ltd., 184 Strand, London, W.C.2.

**120 GROSS 1-oz. TALL AMBER JARS** with black enamelled caps at 19s. 6d. per gross. Ex London warehouse. Box 2/323.

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## WANTED

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**BOTTLES.** Bottles. We will buy all your surplus stocks, spot cash. Any shape or size. Large or small quantities. Call or write with details. Hendstock & Co., 6 Hamilton Sq., Birkenhead. Tel.: Birkenhead 5546.

**CALCIU CARB.**, dense, B.P., aspirin, granular, B.P., saccharin powder 550 and No. 3 tablet bottles urgently required by manufacturers. Box 2/268.

**DENTIST** seeks unusual, recent, or old-time tooth-brushes and gum massagers for a dental exhibit. Folding, refillable, mechanical, double-end and other unusual shapes or designs. Will promptly remit 6/- plus postage for each different brush, or write, Dr. Francis Blauston, 33 West 42 Street, New York, 18, N.Y., U.S.A.

**FOR EXPORT:** Barium chloride, papaverine hydrochloride, sodium nucleinate. Box 2/326.

**GLYCERINE** required. Manufacturing chemists wish to purchase glycerine, pharmaceutical quality, up to one ton. Offers to Box 1/577.

**GLYCERINE B.P.** urgently required. Good price offered or 27 dozen packets standard saccharine tablets (100's) in exchange or 1 cwt. pro rata for 28 or 56-lb. tins white petroleum jelly B.P. in large quantities. Box 2/180.

**HOMOGENISER WANTED.** Brotherhood-Laval or similar. Stainless steel with output of 20-30 gals. per hour. Particulars to Box 2/325.

**PACKER** requires regular monthly supplies of bulk liquorice and menthol pellets. Particulars to Box 2/298.

**PACKER** requires regular monthly supplies of bulk peppermint tablets. Particulars to Box 2/299.

**ROTARY** tablet making machine required. Send details and price to Box 2/306.

**SACCHARIN** tablets. Standard controlled. Regular supplies required by a private country pharmacy. Write in strictest confidence to Box 2/235.

**URGENTLY** required. Any quantity of transparent moistureproof "cellophane" bags size approximately 1½"-12" wide. "Cellophane" sleeves of similar width and capable of being heat-sealed may also be considered. Samples and prices to Box 2/266.

**WANTED.** 150/200 gallon mixing pan for chemicals and light oils. Box 2/269.

**WANTED.** Phenacetin, glycerine, required by manufacturing chemists. Offers to Box 2/307.

## PARTNERSHIPS

**ADVERTISER** wishes to contact small ambitious private company interested in the development of new medicinal and toilet preparations into popular national proprietories. Advertiser possesses unique knowledge and experience of products within this class, and is responsible for the presentation of many products distributed throughout the world. A partnership basis desirable, and capital is available. Please write in confidence to Box 2/315.

## FINANCIAL

**LOANS** up to £200, repayable over a period of five years, and subject to certain qualifying conditions, are available (to ex-Service men commencing business in London and the Counties of Middlesex, Essex, Kent, Surrey, Hertford, Buckingham and Sussex) at 2% per annum on provision of approved sureties. Particulars from the Clerk of Wilsons Loan Trust, Guildhall House, Gresham St., London, E.C.2.

## FOR SALE

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**XMAS BOXES**, green, blue and red, 6½" x 3½" x 1½", fit bath salt jar. Available immediately, 5/9 doz. Phone BAL 7707.



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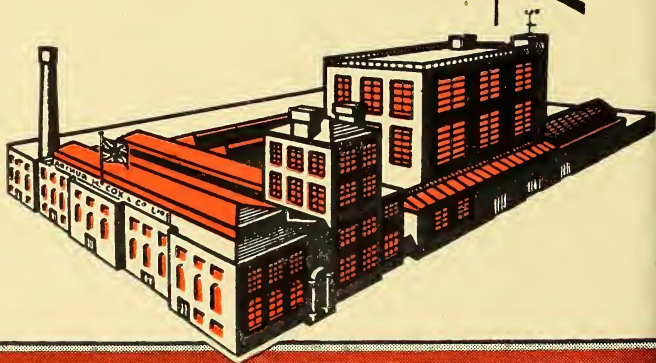
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